



July 29, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill: Jonah Federal 15-12-9-16.

Dear Diana:

Enclosed find an APD on the above referenced well. It will require an Exception Location Letter. I have notified our Land Department and they will get that sent to you shortly. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUL 30 2004

DIV. OF OIL, GAS & MINING

RECEIVED

JUL 30 2004

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DIV. OF OIL, GAS & MINING

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.  
U-035521

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
Jonah

8. Lease Name and Well No.  
Jonah Federal 15-12-9-16

9. API Well No.  
43-013-32627

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SW/SE Sec. 12, T9S R16E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Inland Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface SW/SE 427' FSL 2355' FEL 579683X 40.03936  
At proposed prod. zone 4432333Y -110.06600

14. Distance in miles and direction from nearest town or post office\*  
Approximately 17.6 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 160' f/lse & 427' f/unit

16. No. of Acres in lease  
240.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1927'

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5499' GL

22. Approximate date work will start\*  
4th Quarter 2004

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  
*Mandie Crozier*

Name (Printed/Typed)  
Mandie Crozier

Date  
7/29/04

Title  
Regulatory Specialist

Approved by (Signature)  
*Bradley G. Hill*

Name (Printed/Typed)  
BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III

Date  
10-18-04

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

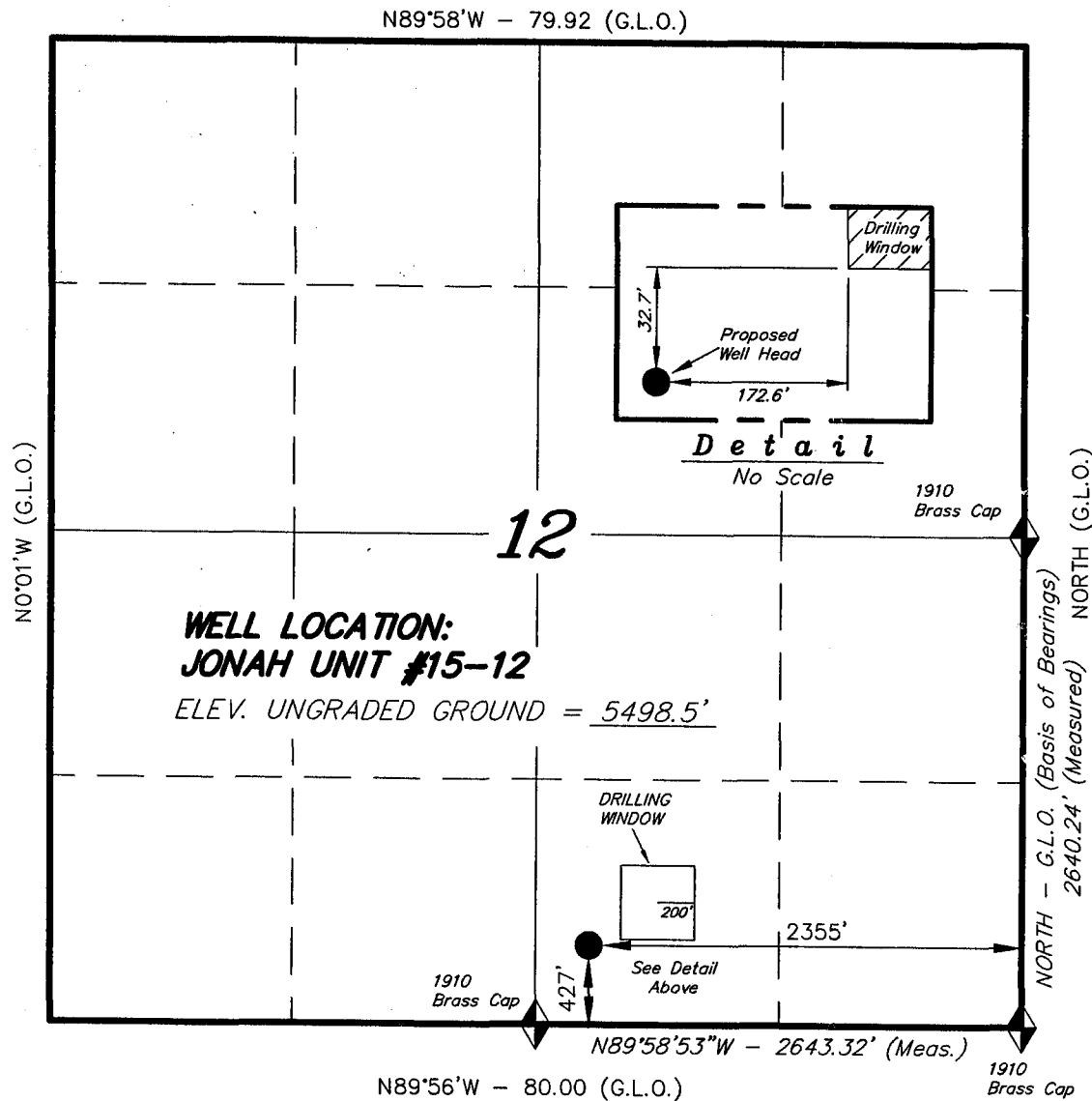
\*(Instructions on reverse)

**Federal Approval of this  
Action is Necessary**

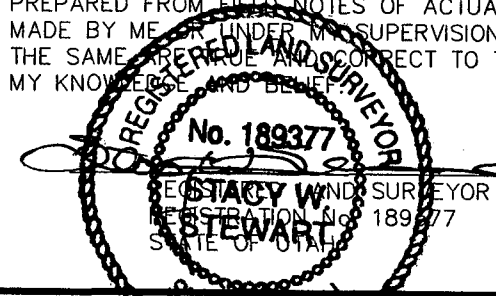
**T9S, R16E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT #15-12,  
LOCATED AS SHOWN IN THE SW 1/4 SE  
1/4 OF SECTION 12, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**  
38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'

SURVEYED BY: K.G.S.

DATE: 7-31-02

DRAWN BY: J.R.S.

NOTES:

FILE #

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-R16E  
Duschene County, Utah

Please be advised that Thomas Lambert does not object to the proposed location on the  
aforementioned well.

By: Thomas J. Lambert Date: 9/25/04  
THOMAS J. LAMBERT  
Print Name and Title

Re: Exception Location: Federal 15-12-9-16  
2155' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Larry R. Simpson does not object to the proposed exception location referenced above.

By:

LARRY R SIMPSON  
Print Name and Title

Date:

August 21 2004

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-025521

Please be advised that Vaughey & Vaughey does not object to the proposed exception location referenced above.

By: *C. H. Williams, Jr.*

Date: *9/13/04*

*C. H. WILLIAMS, JR.*  
Print Name and Title

*Attorney in Fact*

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2335' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duchene Cty., Utah; Lease UTU-035521

Please be advised that Montana & Wyoming Oil Company does not object to the proposed exception location referenced above.

By: Robert C. Balsam Jr.

Date: 8-23-04

Robert C. Balsam Jr. - President  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that John Warne does not object to the proposed exception location referenced above.

By: John R. Warne Date: Sept. 17, 2004  
John R. Warne  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Bonnie Warne does not object to the proposed exception location referenced above.

By: Bonnie Warne Date: Sept. 17'04

Bonnie Warne  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12 9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carl Field does not object to the proposed exception location referenced above.

By: Carl B. Field

Date: 9-22-04

CARL B. FIELD

Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carol Bibler does not object to the proposed exception location referenced above.

By: Carol Bibler Date: 8-27-04  
CAROL BIBLER  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12 T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Leslie Breaux does not object to the proposed exception location referenced above.

By: Leslie Breaux Date: 10/02/04

Leslie Breaux, President WLC Harrington, Inc.  
Print Name and Title

**INLAND PRODUCTION COMPANY  
JONAH FEDERAL #15-12-9-16  
SW/SE SECTION 12, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1640'
Green River	1640'
Wasatch	6000'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
JONAH FEDERAL #15-12-9-16  
SW/SE SECTION 12, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Jonah Federal #15-12-9-16 located in the SW 1/4 SE 1/4 Section 12, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 12.6 miles  $\pm$  to it's junction with an existing road to the west; proceed southwesterly - 2.4 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southeasterly and then southwesterly - 1.0 miles  $\pm$  to it's junction with the beginning of the proposed access road to the south; proceed southeasterly along the proposed access road - 1,570'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. Archaeological Report prepared by AERC, dated 3/14/94. Paleontological Resource Survey prepared by, Alden H. Hamblin, 12/4/93. See attached report cover pages, Exhibit "D".

For the Jonah Federal #15-12-9-16 Inland Production Company requests a 1,410' ROW be granted in Lease U-035521A and 160' of disturbed area be granted in Lease U-035521 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 1,410' ROW in Lease U-035521A and 160' of disturbed area be granted in Lease U-035521 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company requests a 1,410' ROW in Lease U-035521A and 160' of disturbed area be granted in Lease U-035521 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Ferruginous Hawk:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between March 1 and July 31. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface

disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Blacksage	<i>Artemisia nova</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis hymenoides</i>	4 lbs/acre
Galleta Grass	<i>Hilaria jamesii</i>	4 lbs/acre

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #15-12-9-16 SW/SE Section 12, Township 9S, Range 16E: Lease U-035521 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

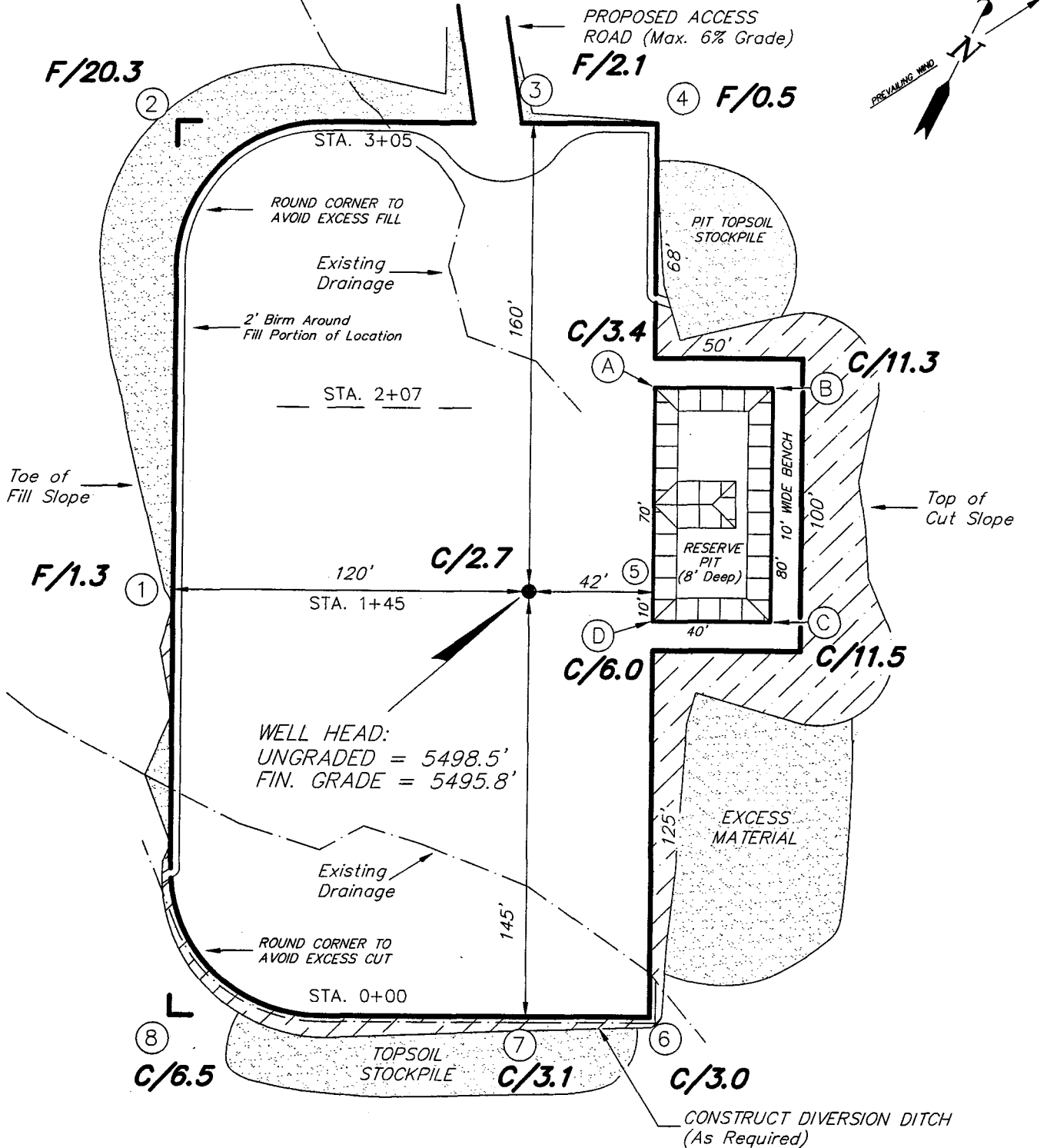
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/29/04  
Date

Mandie Crozier  
Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

JONAH UNIT #15-12  
SEC. 12, T9S, R16E, S.L.B.&M.



## REFERENCE POINTS

195' SOUTHEAST = 5501.7'  
245' SOUTHEAST = 5515.0'

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 7-31-02

**Tri State**  
Land Surveying, Inc.

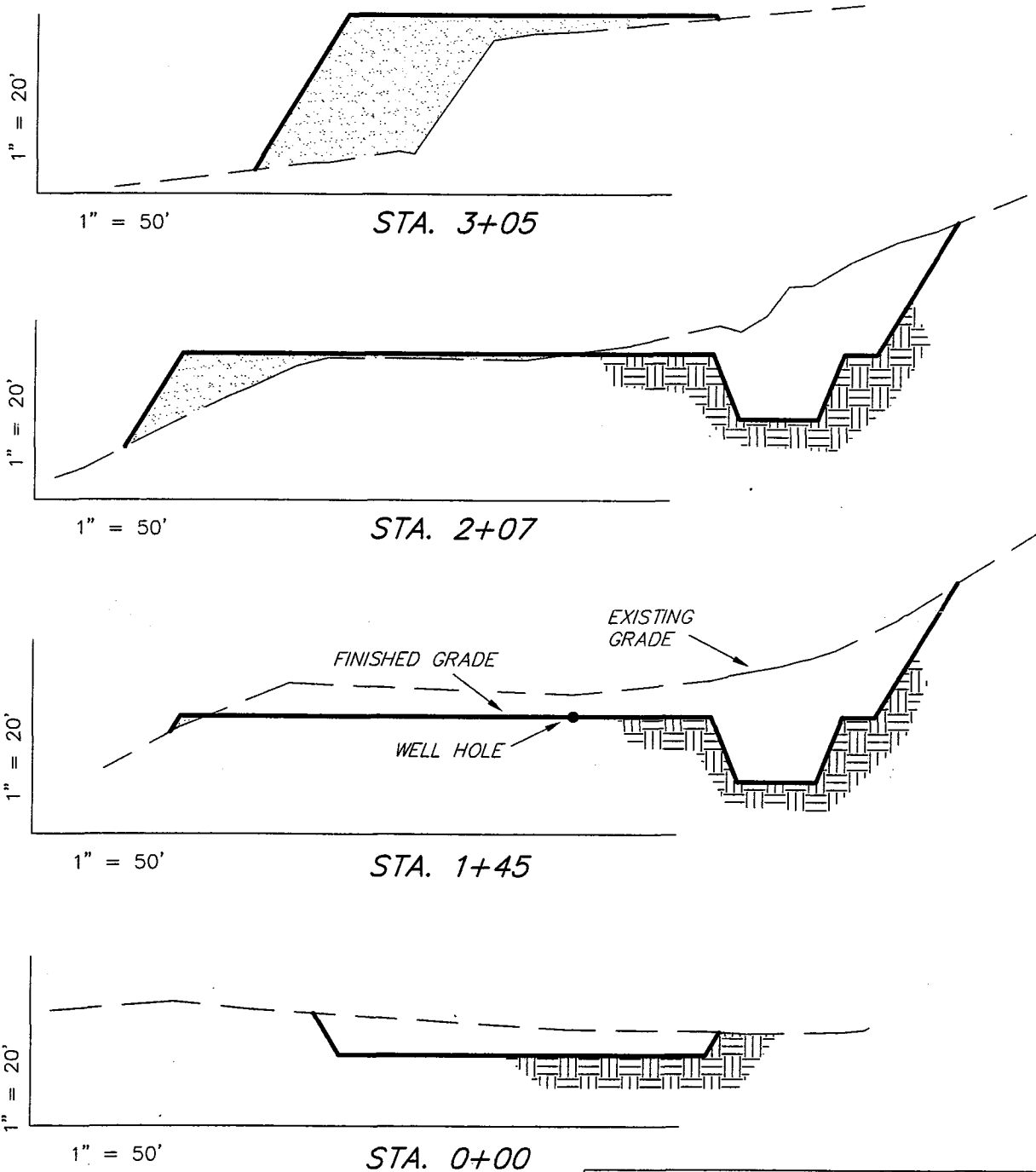
(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

### JONAH UNIT #15-12



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

#### ESTIMATED EARTHWORK QUANTITIES

(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,670	4,670	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	5,310	4,670	1,010	640

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 7-31-02

**Tri State**  
Land Surveying, Inc.

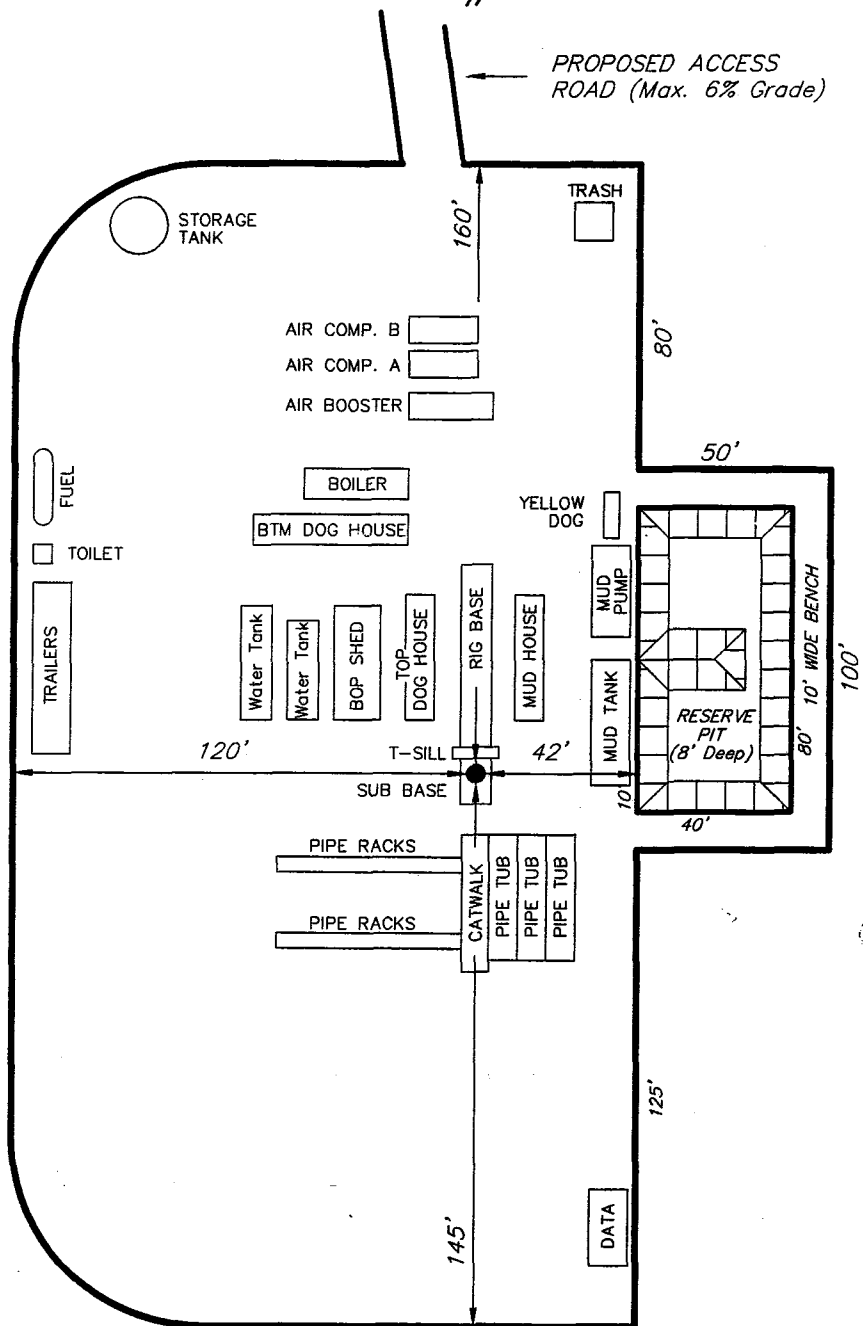
(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### JONAH UNIT #15-12



SURVEYED BY: K.G.S.

SCALE: 1" = 50'

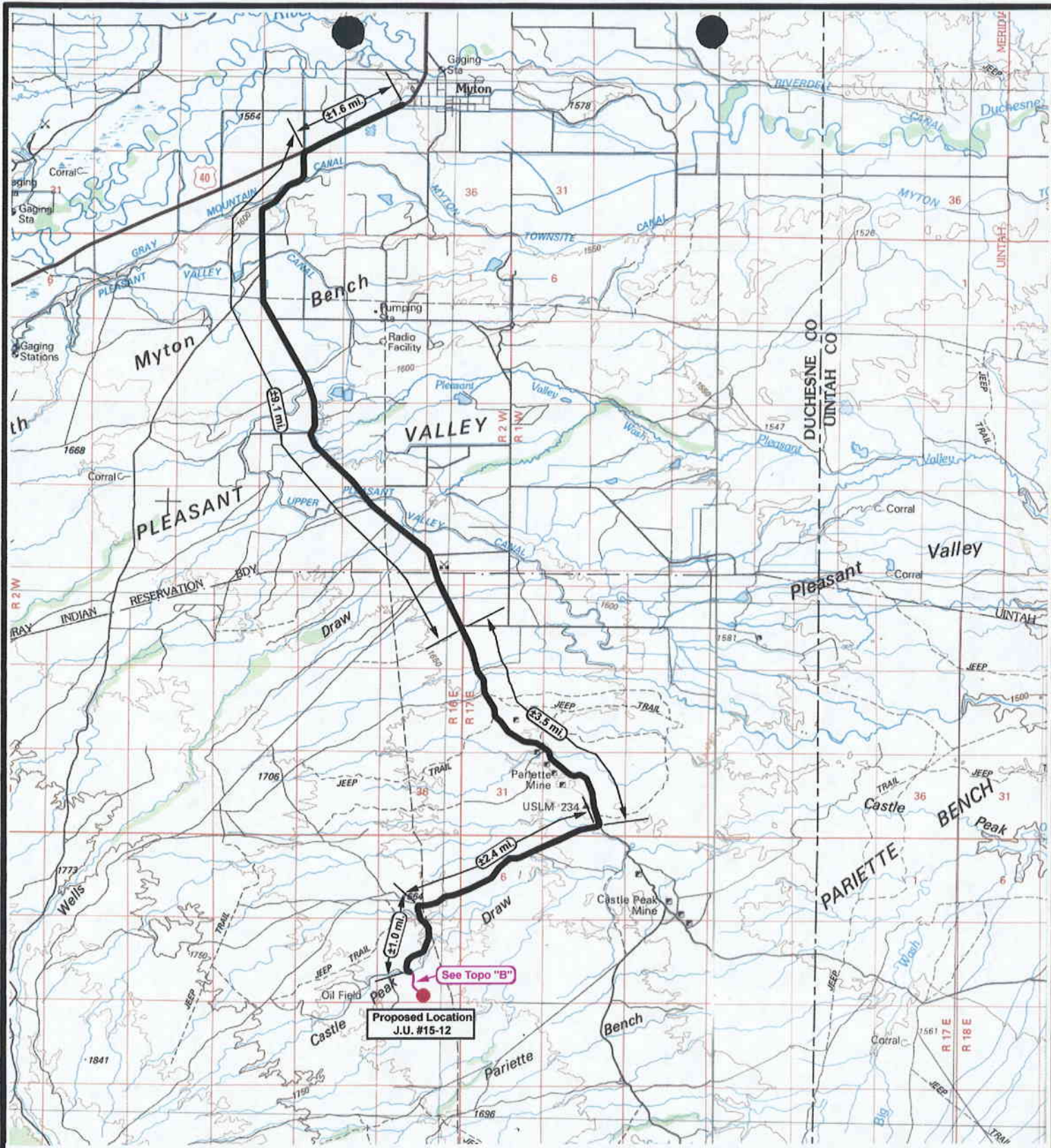
DRAWN BY: J.R.S.

DATE: 7-31-02

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



**Jonah Unit #15-12**  
**SEC. 12, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

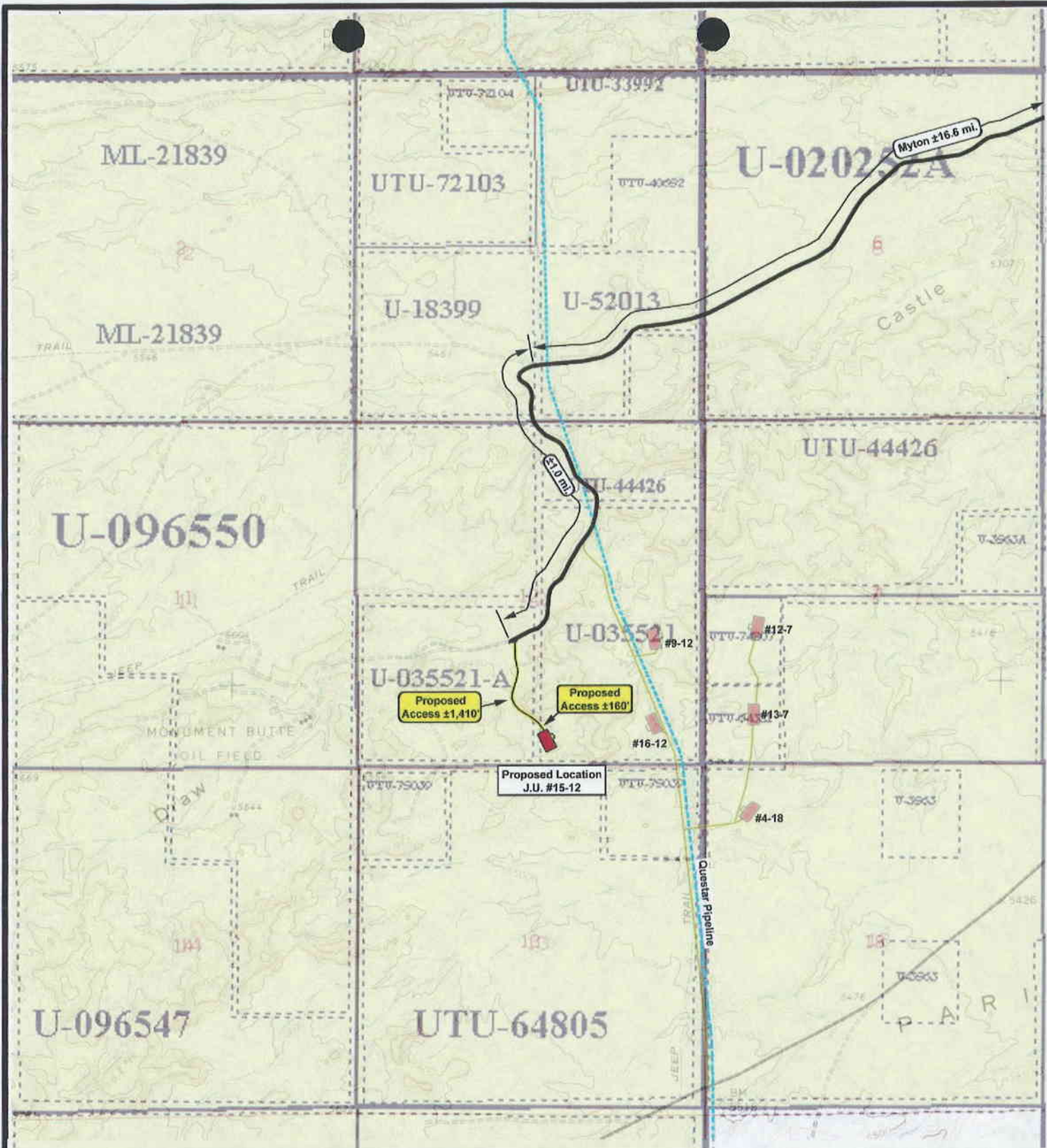
SCALE: 1 = 100,000  
 DRAWN BY: R.A.B.  
 DATE: 08-01-2002

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

**"A"**



**Jonah Unit #15-12**  
**SEC. 12, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: bgm

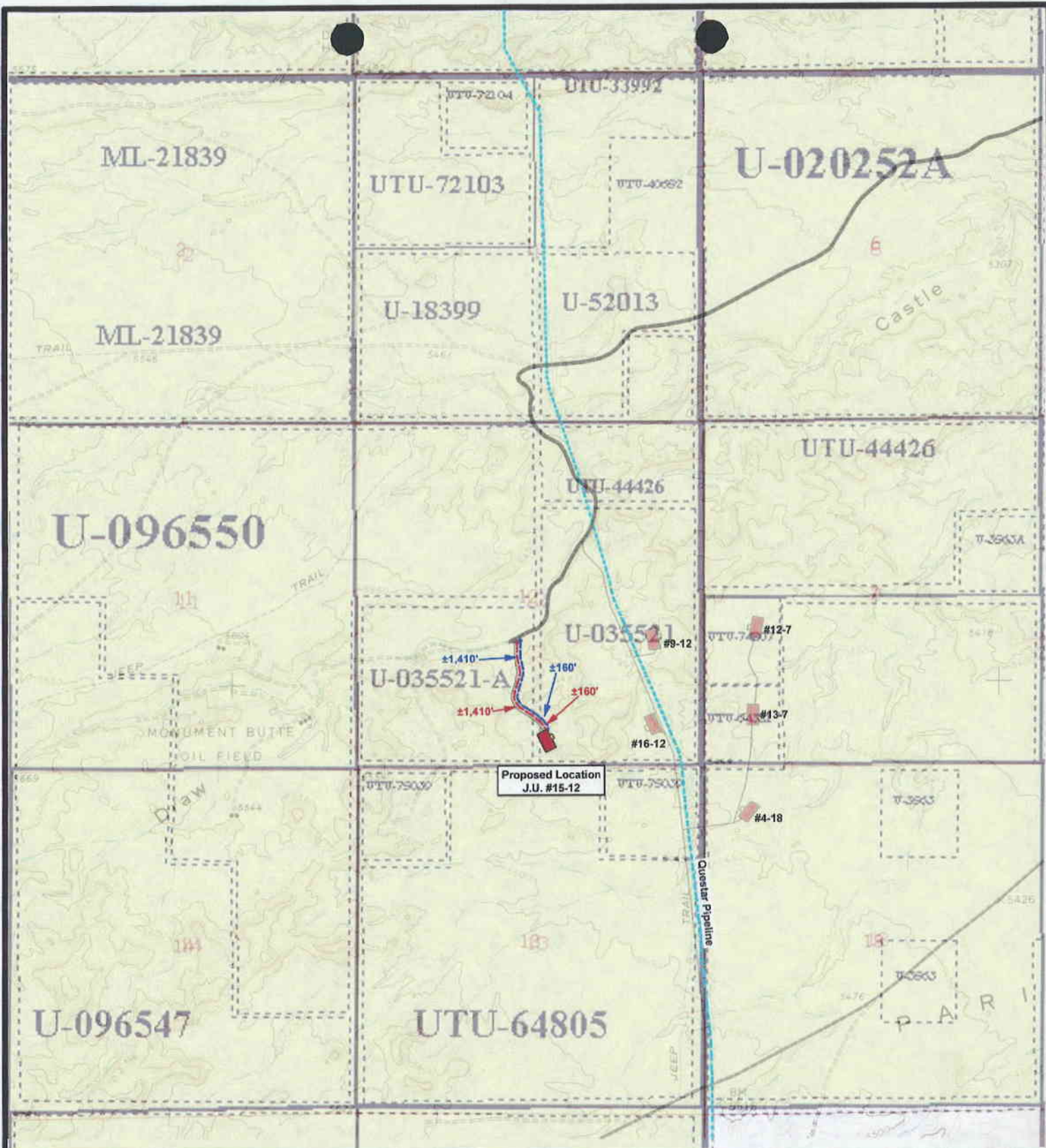
DATE: 07-28-2004

**Legend**

- Existing Road
- Proposed Access
- Questar Pipeline

TOPOGRAPHIC MAP

**"B"**



**Jonah Unit #15-12**  
**SEC. 12, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: bgm

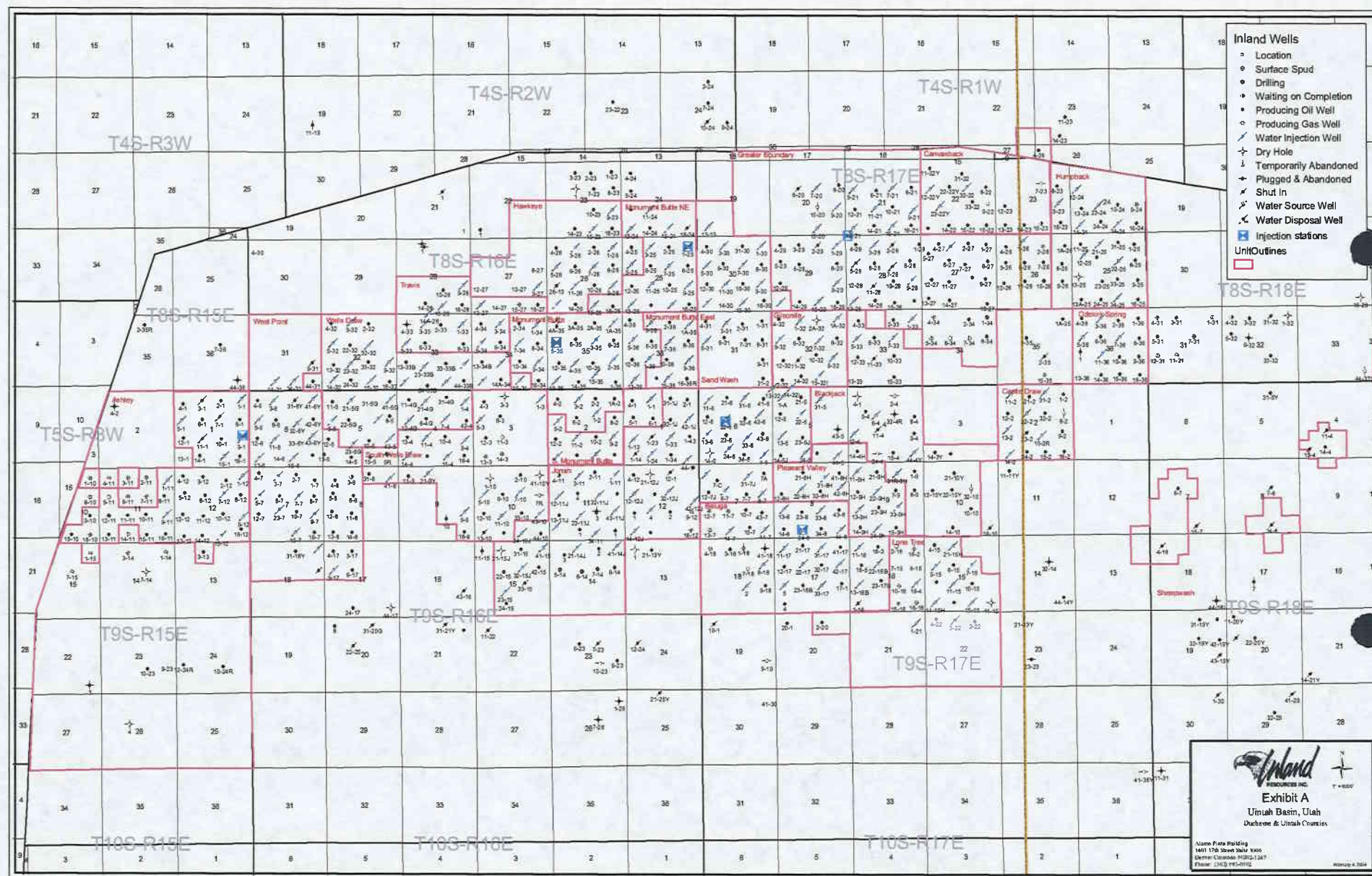
DATE: 07-28-2004

**Legend**

- Existing Road
- Proposed Access
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP

**"C"**





# 2-M SYSTEM

Blowout Prevention Equipment Systems

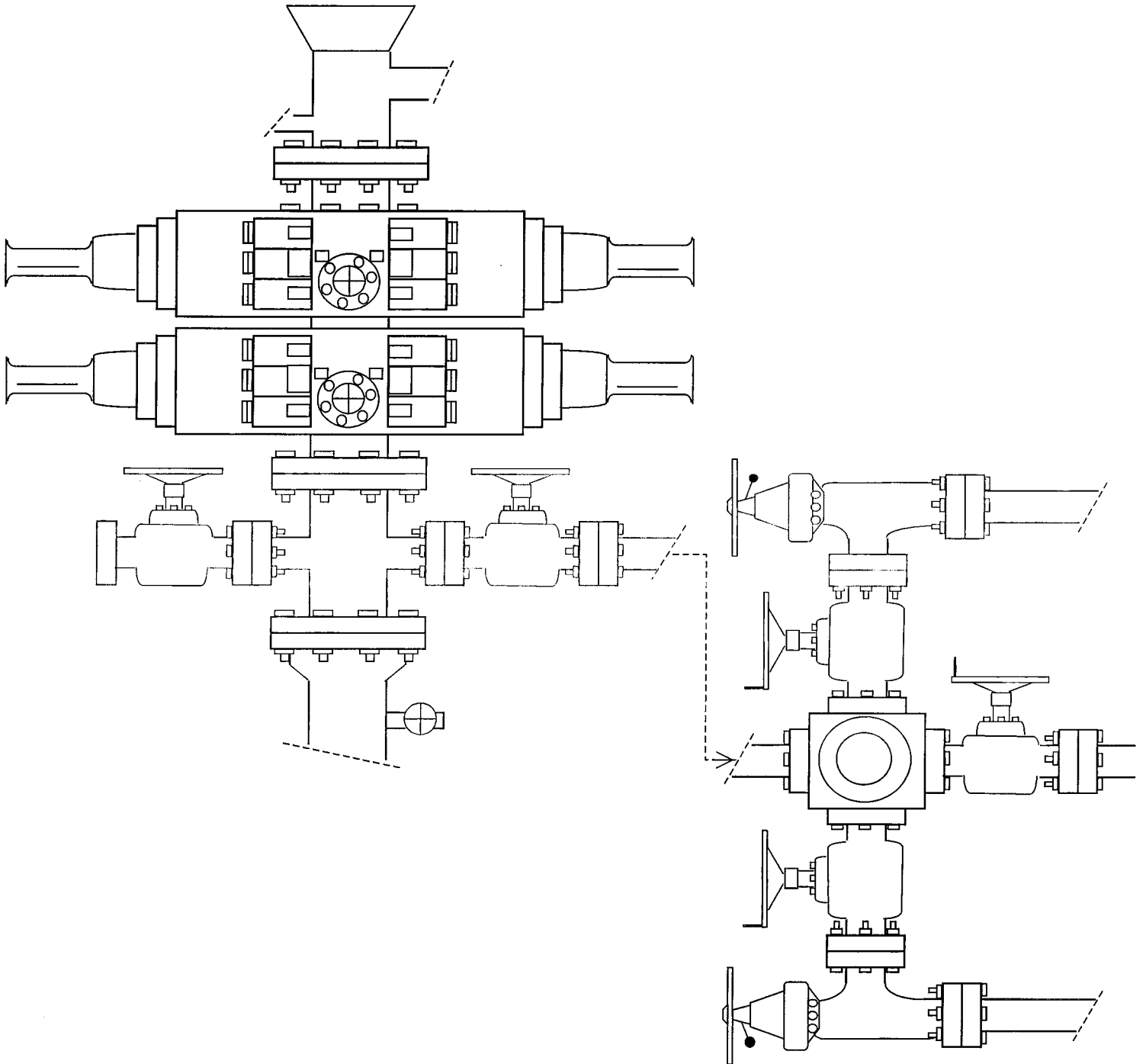


EXHIBIT C

ARCHAEOLOGICAL DATA RECOVERY PROGRAM  
for the  
WINDWALL & SHORTMAN SHELTER SITES  
(42DC 780 and 42DC 797)

Program prepared  
for  
BALCRON OIL DIVISION  
of  
Billings, Montana

Project area is situated  
on Bureau of Land Management Lands  
in the Vernal District  
Duchesne County, Utah

Program Prepared by  
F. Richard Hauck, Ph.D.  
Principal Investigator  
&  
Glade Hadden, M.S.



Archeological-Environmental Research Corporation  
181 North 200 West, Suite 5  
Bountiful, Utah 84010

March 14, 1994

**BALCRON OIL**

**Balcron Monument Federal #34-12J**

**SW SE Section 12, T9S, R16E, SLB&M**

**Duchesne County, Utah**

H MF 34-12J

**PALEONTOLOGY REPORT**

**WELLPAD LOCATION AND ACCESS ROAD**

**BY**

**ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078**

**DECEMBER 4, 1993**

005

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/30/2004

API NO. ASSIGNED: 43-013-32627

WELL NAME: JONAH FED 15-12-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

SWSE 12 090S 160E

SURFACE: 0427 FSL 2355 FEL

BOTTOM: 0427 FSL 2355 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-035521

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.03936

LONGITUDE: 110.06600

## RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit  
(No. MUNICIPAL )
- ☒ RDCC Review (Y/N)  
(Date: )
- ☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

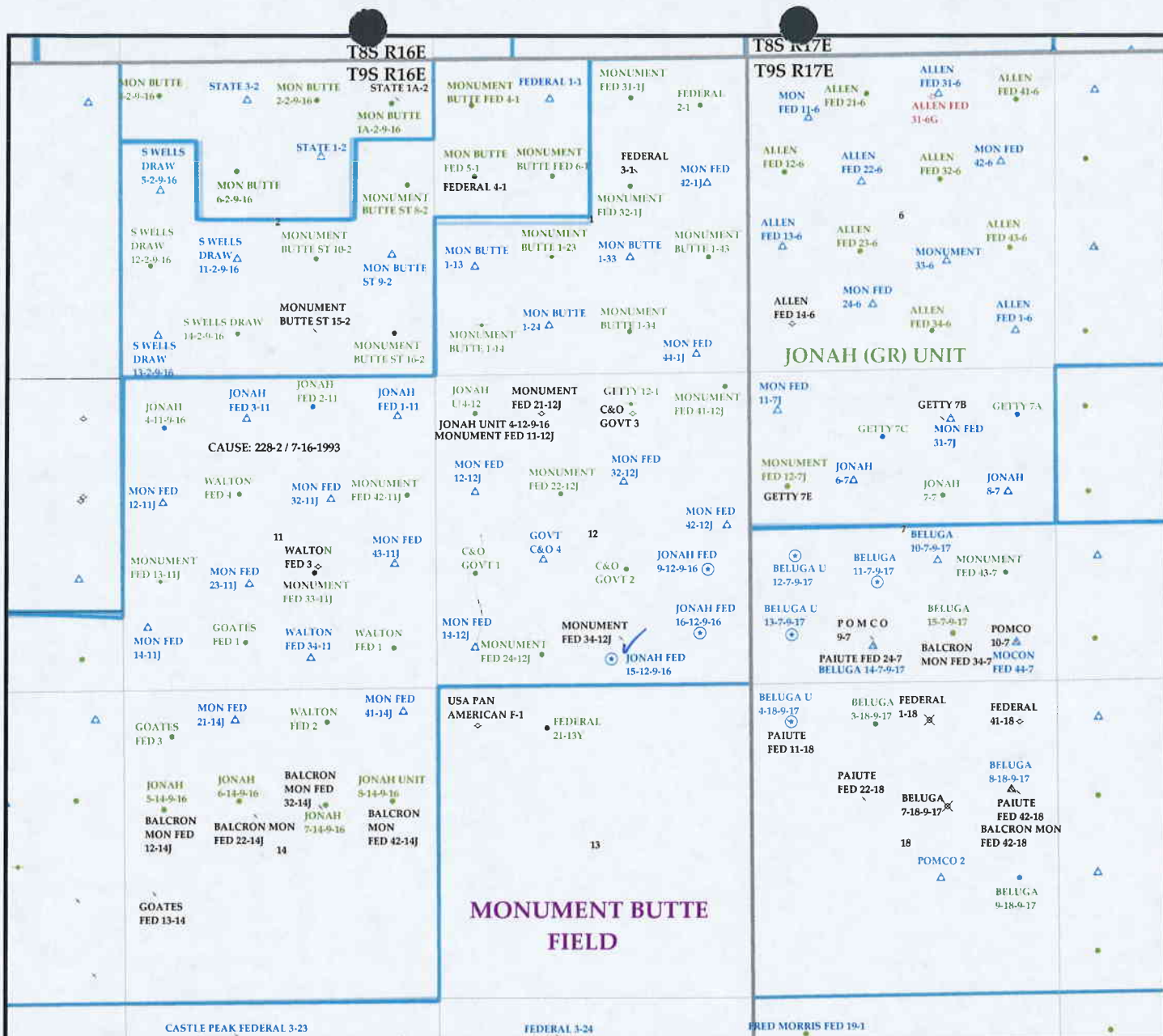
- \_\_\_ R649-2-3.
- Unit JONAH (GREEN RIVER)
- \_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_ R649-3-3. Exception
- ☒ Drilling Unit  
Board Cause No: 228-2  
Eff Date: 7/16/1993  
Siting: 460' fr U boundary, 920' fr other wells.
- \_\_\_ R649-3-11. Directional Drill

COMMENTS:

*See Separate File*

STIPULATIONS:

*1- Federal Approval*



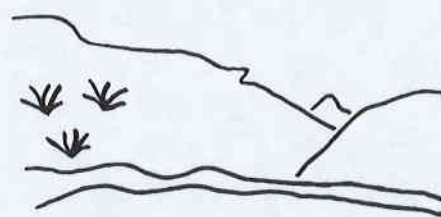
OPERATOR: INLAND PRODUCTION CO (N5160)

SEC. 12 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-2 / 7-16-1993



Utah Oil Gas and Mining

#### Wells

- ✱ GAS INJECTION
- GAS STORAGE
- ✕ LOCATION ABANDONED
- ⊕ NEW LOCATION
- ✱ PLUGGED & ABANDONED
- ✱ PRODUCING GAS
- PRODUCING OIL
- ✱ SHUT-IN GAS
- SHUT-IN OIL
- ✕ TEMP. ABANDONED
- TEST WELL
- △ WATER INJECTION
- ◆ WATER SUPPLY
- ✱ WATER DISPOSAL

#### Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 3-AUG-2004

## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 3, 2004

## Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development Jonah Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2003 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Green River)

43-013-32627 Jonah Federal 15-12-9-16 Sec 12 T09S R16E 0427 FSL 2355 FEL

Our records indicate the Jonah Federal 15-12-9-16 is closer than 460 feet from the Jonah Unit boundary.

We have no objections to permitting the well so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Jonah Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:8-3-04

**RECEIVED**

OCT 12 2004

**MAIL ROOM****NEWFIELD**

August 18, 2004

Yates Petroleum Corporation  
Yates Drilling Company  
Myco Industries, Inc.  
Abo Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210-2118

Attn: Bonnie Floore

Re: Exception Locations

Dear Ms. Floore:

Please be advised that Inland Production Company is requesting approval from the Utah Division of Oil, Gas & Mining for the following exception locations:

Fed 12-4-9-18; 340' FWL, 2041' FSL Sec 4-T9S-R18E; the various Yates associates referenced above have ownership in the offsetting lease UTU-65970. The exception location is requested due to an active eagle nest.

Federal 15-31-8-18; 2246' FEL, 668' FSL Sec 31-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74404. The exception location is requested due to active eagle and hawk nests.

Federal 1-22-9-16; 903' FNL, 824' FEL Sec 22-T9S-R16E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74392 and in offsetting lease UTU-64379. The exception location is due to extreme terrain.

Federal 15-12-9-16; 2355' FEL, 427' FSL SWSE Sec 12-T9S-R16E; the various Yates associates referenced above have ownership in the offsetting lease UTU-64805. The exception location is requested due to archeological reasons.

Federal 10-5-9-18; 1875' FSL, 2185' FEL, NWSE Sec 5-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-65970. The exception location is requested due to terrain.

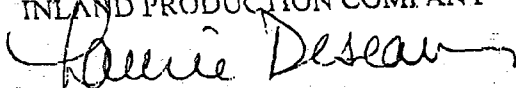
Federal 6-12-9-17; 2014' FNL, 2192' FEL, SENW Sec 12-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-75234. The exception location is due to extreme terrain.

Federal 9-14-9-17; 2210' FSL, 923' FEL, NESE Sec 14-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-64806. The exception location is requested due to an eagle nest.

Attached please find the corresponding Application to Drill and survey plat copies to assist you in your review. Upon agreement to these locations, please verify your consent by signing and dating where indicated at the bottom of this facsimile. Please return to my attention as soon as possible using the following Inland fax number: 303-893-0103. If I can provide additional information to assist you in your review please do not hesitate to contact me. Thank you for your assistance in this matter.

Sincerely,

INLAND PRODUCTION COMPANY

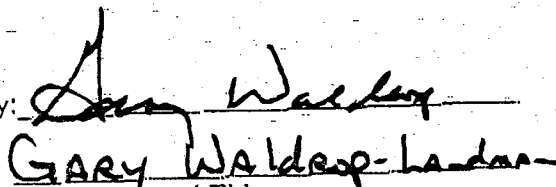


Laurie Deseau

Properties Administrator

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By:

  
Print Name and Title

Date: 10-12-04

## NEWFIELD



October 14, 2004

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Dear Ms. Whitney:


Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 172.6' west and 32.7' south of the drilling window tolerance for the SWSE of Sec 12-T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with the federal lease stipulation conditions. The location is moved for archeological reasons.

Please note the location is completely within Federal lease UTU-035521. The drillsite lease is owned by Newfield Production Company, Thomas J. Lambert, Larry R. Simpson, Vaughey & Vaughey, Montana & Wyoming Oil Co., John R. Warne, Bonnie B. Warne, Carl B. Field, Carol J. Bibler, and Leslie J. Breau. The surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Inland Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners of the offsetting lease U-035521-A; these are the same owners as the drillsite lease. We have also contacted the owners in U-64805 (the Yates group) and all consents to this location exception are attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Laurie Deseau  
Properties Administrator

RECEIVED

OCT 18 2004

DIV. OF OIL, GAS & MINING



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

October 18, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Jonah Federal 15-12-9-16 Well, 427' FSL, 2355' FEL, SW SE, Sec. 12,  
T. 9 South, R. 16 East, Duchesne County, Utah

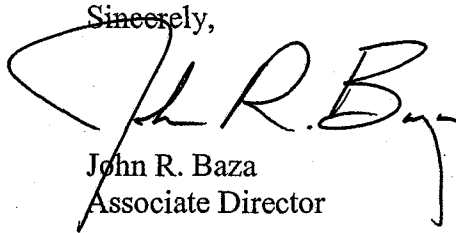
Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32627.

Sincerely,

  
John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company

Well Name & Number Jonah Federal 15-12-9-16

API Number: 43-013-32627

Lease: U-035521

Location: SW SE                      Sec. 12                      T. 9 South                      R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

## OPERATOR CHANGE WORKSHEET

007

Change of Operator (Well Sold)

Designation of Agent/Operator

## ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM:** (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO:** ( New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

JONAH (GREEN RIVER)

**WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
JONAH FED 1-11	11	090S	160E	4301332157	11492	Federal	WI	A
JONAH FED 2-11	11	090S	160E	4301332158	11492	Federal	OW	P
JONAH FED 3-11	11	090S	160E	4301332159	11492	Federal	WI	A
JONAH 4-11-9-16	11	090S	160E	4301332279	11492	Federal	OW	P
JONAH UNIT 4-12	12	090S	160E	4301332180	11492	Federal	OW	P
JONAH FED 9-12-9-16	12	090S	160E	4301332430	11492	Federal	OW	P
JONAH FED 16-12-9-16	12	090S	160E	4301332431	11492	Federal	OW	P
JONAH FED 15-12-9-16	12	090S	160E	4301332627		Federal	OW	APD
JONAH UNIT 8-14-9-16	14	090S	160E	4301332054	11492	Federal	OW	P
JONAH 5-14-9-16	14	090S	160E	4301332336	11492	Federal	OW	P
JONAH 6-14-9-16	14	090S	160E	4301332337	11492	Federal	OW	P
JONAH 7-14-9-16	14	090S	160E	4301332338	11492	Federal	OW	P
JONAH FED 9-14-9-16	14	090S	160E	4301332661		Federal	OW	APD
JONAH FED 10-14-9-16	14	090S	160E	4301332662		Federal	OW	APD
JONAH 8-7	07	090S	170E	4301331989	11492	Federal	WI	A

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

# RECEIVED

JUL 30 2004

BLM VERNAL, UTAH

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.	U-035521
6. If Indian, Allottee or Tribe Name	N/A
7. If Unit or CA Agreement, Name and No.	Jonah
8. Lease Name and Well No.	Jonah Federal 15-12-9-16
9. API Well No.	43-013-32627
10. Field and Pool, or Exploratory	Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area	SW/SE Sec. 12, T9S R16E
12. County or Parish	Duchesne
13. State	UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		
2. Name of Operator Inland Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SE 427' FSL 2355' FEL At proposed prod. zone		
14. Distance in miles and direction from nearest town or post office* Approximately 17.6 miles southwest of Myton, Utah		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 160' f/lse & 427' f/unit	16. No. of Acres in lease 240.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1927'	19. Proposed Depth 6500'	20. BLM/BIA Bond No. on file UTU0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5499' GL	22. Approximate date work will start* 4th Quarter 2004	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 7/29/04
Title Regulatory Specialist		
Approved By (Signature) <i>Thomas B. Cleavage</i>	Name (Printed/Typed)	Date 06/24/2005
Title Assistant Field Manager Mineral Resources	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

JUL 12 2005

DIV. OF OIL, GAS & MINING

UDDG/M  
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

04JN1035A

No. 105

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company  
Well Name & Number: JONAH FEDERAL 15-12-9-16  
API Number: 43-013-32627  
Lease Number: UTU - 035521-A  
Location: SWSE Sec. 12 TWN: 09S RNG: 16E  
Agreement: JONAH UNIT

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.**

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 1,192$  ft.

-In order to mitigate impacts to mountain plovers, no new construction or surface disturbing activities would occur during the nesting season of May 1 to June 15. If new construction or surface disturbing activities are scheduled during the nesting season, pre-construction surveys will be conducted by a qualified biologist using U.S. Fish and Wildlife's mountain plover survey guidelines to detect the presence of nesting mountain plovers.

-Due to the excessive cut that would occur from the buried water line, the water line shall be buried under the road.

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: JONAH FED 15-12-9-16

Api No: 43-013-32627 Lease Type: FEDERAL

Section 12 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### SPUDDED:

Date 10/07/05

Time 1:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by ALVIN

Telephone # 1-435-823-7468

Date 10/11/05 Signed CHD

# RECEIVED

## OCT 12 2005

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

DIV. OF OIL, GAS & MINING

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**JAYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11492	43-013-32627	JONAH FEDERAL 15-12-9-16	SWSE	12	9S	16E	DUCHESNE	10/07/05	10/13/05
WELL COMMENTS: <i>GRRV</i> <span style="float: right;">- J</span>											
B	99999	14844	43-047-35700	FEDERAL 9-13-9-17	NESE	13	9S	17E	UINTAH	10/10/05	10/13/05
WELL COMMENTS: <i>GRRV Sundance</i> <span style="float: right;">- J</span>											
B	99999	11492	43-013-32697	JONAH FEDERAL 14-14-9-16	SESW	14	9S	16E	DUCHESNE	10/11/05	10/13/05
WELL COMMENTS: <i>GRRV</i> <span style="float: right;">- J</span>											
	99999										
	99999										
WELL COMMENTS:											
	99999										
WELL COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Reassign well from one existing entity to another existing entity
- D - Reassign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*Kim Kett's*  
Signature Kim Kett's  
Production Clerk October 12, 2005  
Title Date

10/12/2005 10:45 4356463031

INLAND

PAGE 02

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

427 FSL 2355 FEL

SW/SE Section 12 T9S R16E

5. Lease Serial No.

UTU035521

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 15-12-9-16

9. API Well No.

4301332627

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/8/05 MIRU NDSI NS # 1. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 308.69' KB  
On 10/9/05 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild.  
Returned 6.5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Alvin Nielsen

Title

Drilling Foreman

Signature

*Alvin Nielsen*

Date

10/10/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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(Instructions on reverse)

RECEIVED

OCT 12 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 308.69

LAST CASING 8 5/8" SET AT 308.69'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Jonah Federal 15-12-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 38.65'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	296.84
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			298.69
TOTAL LENGTH OF STRING		298.69	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>308.69</b>
TOTAL		296.84	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		296.84	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud	10/8/2005	1:00 PM	GOOD CIRC THRU JOB		
CSG. IN HOLE			10/8/2005	7:00 PM	Bbls CMT CIRC TO SURFACE		
BEGIN CIRC			10/9/2005	11:23 AM	RECIPROCATED PIPE FOR		
BEGIN PUMP CMT			10/9/2005	11:39 AM	THRU		
BEGIN DSPL. CMT			10/9/2005	11:49 AM	N/A		
PLUG DOWN			10/9/2005	11:58 AM	BUMPED PLUG TO		
					420		
					PSI		

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
<b>1</b>	<b>160</b>	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third for 3			

COMPANY REPRESENTATIVE Alvin Nielsen DATE 10/10/2005

**RECEIVED**  
**OCT 12 2005**  
 DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

5. Lease Serial No.  
UTU035521

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
JONAH UNIT

8. Well Name and No.  
JONAH FEDERAL 15-12-9-16

9. API Well No.  
4301332627

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

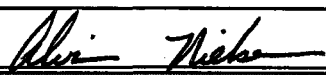
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
427 FSL 2355 FEL  
SW/SE Section 12 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/13/05 MIRU Union Rig # 14. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5,935. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 135 jt's of 5.5 J-55, 15.5# csgn. Set @ 5,920' / KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 475 sks cement mixed @ 14.4 ppg & 1.24 yld. With 20 bbls cement returned to pit. Nipple down Bop's. Drop slips @94,000 #'s tension. Release rig 2:30 AM 10/19/05

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Alvin Nielsen	Drilling Foreman
Signature 	Date 10/19/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

OCT 20 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5920

Flt cllr @ 5876.45

LAST CASING 8 5/8" SET / 308'                     

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Jonah Federal 15-12- 9- 16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE                     

CONTRACTOR & RIG # Union #14

TD DRILLER 5935 LOGGER 5935

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3951.03 (5.89')					
135	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5862.45
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.3
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5922
TOTAL LENGTH OF STRING		5922	136	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		179.57	4	CASING SET DEPTH			<b>5920</b>
TOTAL		<b>6086.32</b>	140	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6086.32	140				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		10/18/2005	2:30 PM	GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		10/18/2005	5:30 PM	Bbls CMT CIRC TO SURFACE <u>20</u>			
BEGIN CIRC		10/18/2005	5:30 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u>			
BEGIN PUMP CMT		10/18/2005	8:09 PM	DID BACK PRES. VALVE HOLD ? <u>YES</u>			
BEGIN DSPL. CMT		10/18/2005	9:04 PM	BUMPED PLUG TO <u>2150</u> PSI			
PLUG DOWN		10/18/2005	9:30 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	350	Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	475	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Alvin Nielsen

DATE 10/19/2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well.

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

427 FSL 2355 FEL

SW/SE Section 12 T9S R16E

5. Lease Serial No.

UTU035521

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 15-12-9-16

9. API Well No.

4301332627

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Mandie Crozier

Title

Regulatory Specialist

Signature

Date

11/14/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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Title

Date

Office

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**NOV 15 2005**

(Instructions on reverse)

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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435.646.3721

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427 FSL 2355 FEL

SW/SE Section 12 T9S R16E

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JONAH UNIT

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JONAH FEDERAL 15-12-9-16

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4301332627

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11. County or Parish, State

Duchesne, UT

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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

COPY SENT TO OPERATOR

Date: 11-18-05  
Initials: CRO

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Mandie Crozier

Title

Regulatory Specialist

Signature

Date

11/14/2005

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Approved by

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(Instructions on reverse)

By:

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 11/15/05

Date

Federal Approval of This  
Action Is Necessary

RECEIVED

NOV 15 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
427 FSL 2355 FEL  
SW/SE Section 12 T9S R16E

5. Lease Serial No.

UTU035521

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 15-12-9-16

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4301332627

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

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TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 11/02/05 - 11/11/05

Subject well had completion procedures intiated in the Green River formation on 11-02-05 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5472'-5486'); Stage #2 (5094'-5108'); Stage #3(4763'-4774'); Stage #4 (4596'-5610'); Stage #5(4129'-4135'), (4120'-4123'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 11-08-2005. Bridge plugs were drilled out and well was cleaned to 5870'. Zones were swab tested for sand cleanup. A 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 11-11-2005.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Lana Nebeker

Signature

*Lana Nebeker*

Title

Production Clerk

Date

11/21/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

NOV 22 2005

DIV. OF OIL, GAS & MINING



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Jonah Federal 15-12-9-16	Garden Gulch Mkr	3564'	
				Garden Gulch 1	3771'	
				Garden Gulch 2	3888'	
				Point 3 Mkr	4139'	
				X Mkr	4406'	
				Y-Mkr	4440'	
				Douglas Creek Mkr	4568'	
				BiCarbonate Mkr	4810'	
				B Limestone Mkr	4930'	
				Castle Peak	5410'	
				Basal Carbonate	5860'	
				Total Depth (LOGGERS)	5935'	



February 24, 2006

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Jonah Federal #15-12-9-16  
Monument Butte Field, Jonah Unit, Lease #UTU-35521  
Section 12 -Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Jonah Federal #15-12-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Jonah Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in cursive script that reads "David Gerbig".

David Gerbig  
Operations Engineer

RECEIVED  
MAR 29 2006  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**JONAH FEDERAL #15-12-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**JONAH UNIT**  
**LEASE #UTU-35521**  
**FEBRUARY 24, 2006**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – JONAH FEDERAL #15-12-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – JONAH FEDERAL #9-12-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – C&O GOVMT. #2-12-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – C&O GOVMT. #4-12-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – C&O GOVMT. #1-12-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – MONUMENT FED. #14-12J-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – BALCRON MON. FEDERAL #24-12J
ATTACHMENT E-7	WELLBORE DIAGRAM – JONAH FEDERAL #16-12-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #1-13-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #2-13-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – FEDERAL #21-13Y-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – PAN AMERICAN #1FR-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – FEDERAL #7-13-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED 11/7/05 – 11/8/05
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1401 17th Street, Suite 1000  
Denver, Colorado 80202

Well Name and number: Jonah Federal #15-12-9-16  
Field or Unit name: Monument Butte (Green River), Jonah Unit Lease No. UTU-35521  
Well Location: QQ SW/SE section 12 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? ..... Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? ..... Yes ☒ No ☐  
Disposal? ..... Yes ☐ No ☒  
Storage? ..... Yes ☐ No ☒

Is this application for a new well to be drilled? ..... Yes ☐ No ☒

If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes ☐ No ☒

Date of test: \_\_\_\_\_

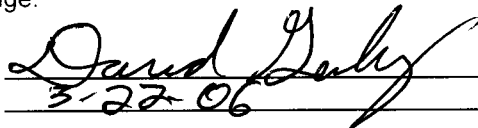
API number: 43-013-32627

Proposed injection interval: from 3888' to 5860'  
Proposed maximum injection: rate 500 bpd pressure 1958 psig  
Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: David Gerbig Signature   
Title Operations Engineer Date 3-27-06  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Jonah Federal 15-12-9-16

Spud Date: 10-08-05  
Put on Production: 11-11-05

GL: 5499' KB: 5511'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (296.84')  
DEPTH LANDED: 308.69' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6.5 bbls cmt to surf.

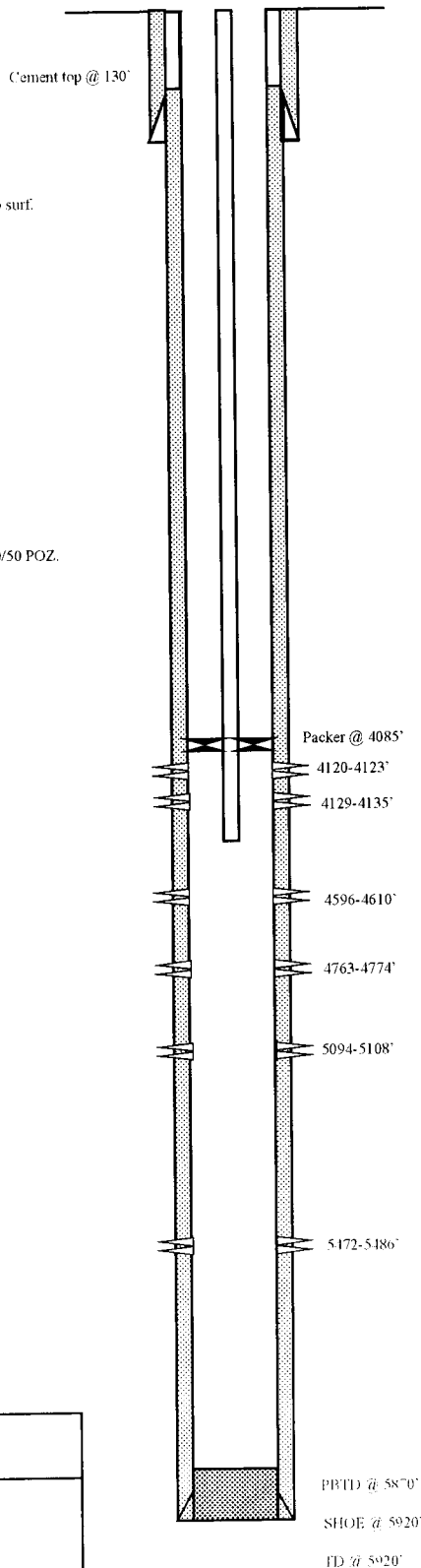
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts (5906.75')  
DEPTH LANDED: 5920' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 130'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 163 jts (5428.60')  
TUBING ANCHOR: 5438.60' KB  
NO. OF JOINTS: 1 jts (33.46')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5474.86' KB  
NO. OF JOINTS: 2 jts (66.77')  
TOTAL STRING LENGTH: EOT @ 5543.18' KB

## Proposed Injection Wellbore Diagram




Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

11-07-05	5472-5486'	<b>Frac CP1, sands as follows:</b> 59446# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 1739 psi w/avg rate of 24.9 BPM. ISIP 1970 psi. Calc flush: 5470 gal. Actual flush: 5048 gal.
11-07-05	5094-5108'	<b>Frac A3, sands as follows:</b> 80231# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 1586 psi w/avg rate of 24.8 BPM. ISIP 1990 psi. Calc flush: 5092 gal. Actual flush: 4704 gal.
11-07-05	4763-4774'	<b>Frac C sands as follows:</b> 29525# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 1861 psi w/avg rate of 24.7 BPM. ISIP 2080 psi. Calc flush: 4761 gal. Actual flush: 4473 gal.
11-08-05	4596-4610'	<b>Frac D1 sands as follows:</b> 80686# 20/40 sand in 590 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 psi w/avg rate of 25 BPM. ISIP 2220 psi. Calc flush: 4594 gal. Actual flush: 3990 gal.
11-08-05	4120-4135'	<b>Frac GB6 sands as follows:</b> 31631# 20/40 sand in 341 bbls Lightning 17 frac fluid. Treated @ avg press of 1738 psi w/avg rate of 24.9 BPM. ISIP 2030 psi. Calc flush: 4118 gal. Actual flush: 4032 gal.

## PERFORATION RECORD

11-02-05	5472-5486'	4 JSFP	56 holes
11-07-05	5094-5108'	4 JSFP	56 holes
11-07-05	4763-4774'	4 JSFP	44 holes
11-08-05	4596-4610'	4 JSFP	56 holes
11-08-05	4129-4135'	4 JSFP	24 holes
11-08-05	4120-4123'	4 JSFP	12 holes

<b>NEWFIELD</b> 
<b>Jonah Federal 15-12-9-16</b> 427 FSL & 2355' FEL SW/SE Section 12-T9S-R16E Duchesne Co, Utah API #48-013-32027, Lease #UTU-35521

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1401 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Jonah Federal #15-12-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field, Jonah Unit.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Jonah Federal #15-12-9-16 well, the proposed injection zone is from Garden Gulch to Basal Limestone (3888' - 5860'). The confining strata directly above and below the injection zones are the Garden Gulch and Castle Peak Members of the Green River Formation, with the Garden Gulch Marker top at 3888' and the Castle Peak top at 5410'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Jonah Federal #15-12-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #UTU-35521) in the Monument Butte (Green River) Field, Jonah Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 309' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5920' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1958 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Jonah Federal #15-12-9-16, for existing perforations (4120' - 5486') calculates at 0.79 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1958 psig. We may add additional perforations between 3888' and 5935'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Jonah Federal #15-12-9-16, the proposed injection zone (3888' - 5860') is in the Garden Gulch to Basal limestone members of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-12.

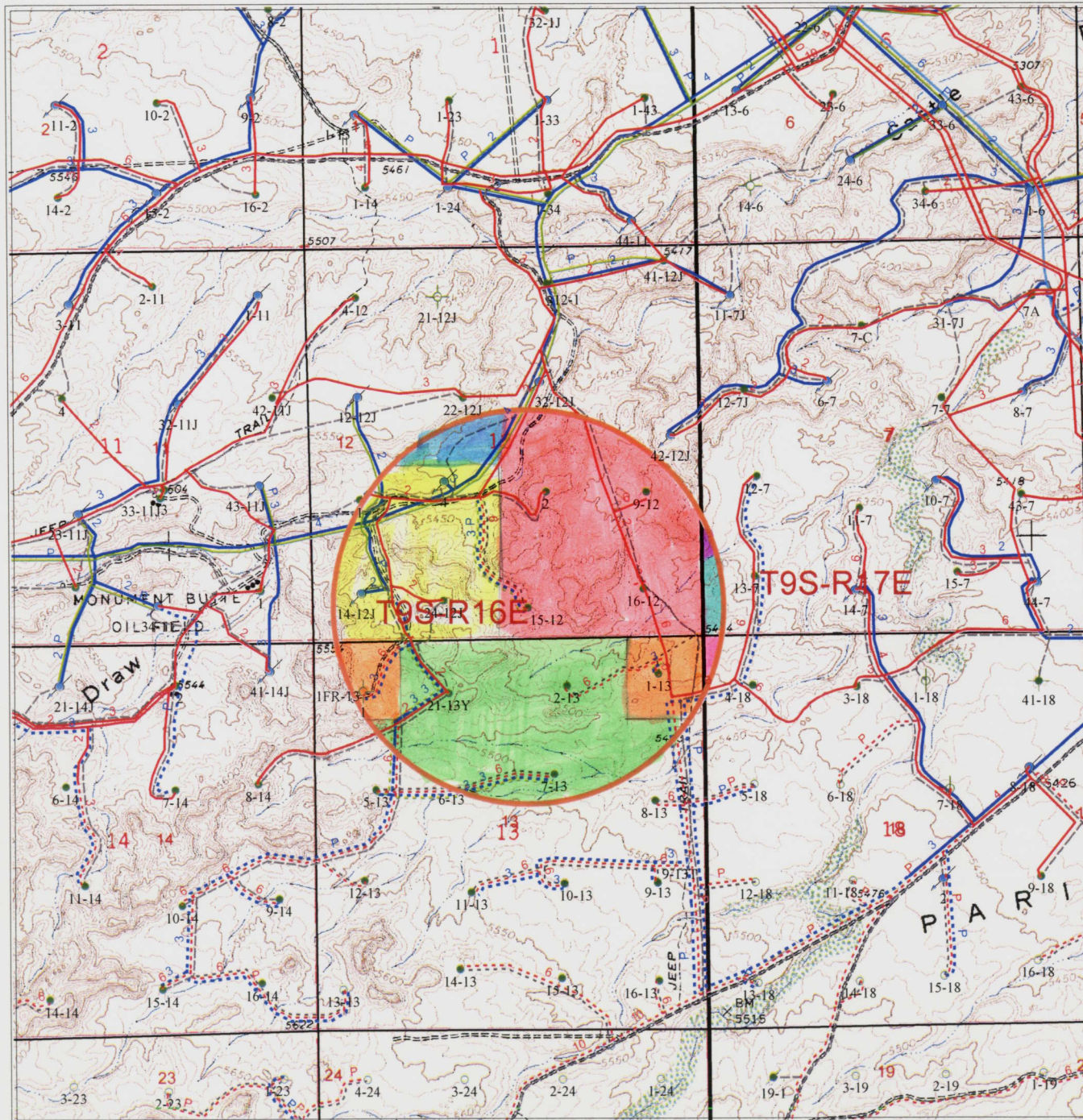
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



#### Well Status

- Location
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- ⊙ Producing Gas Well
- ⊙ Water Injection Well
- ⊙ Dry Hole
- ⊙ Temporarily Abandoned
- ⊙ Plugged & Abandoned
- ⊙ Shut In

#### Injection system

- high pressure
- low pressure
- proposed
- return
- return proposed

#### Gas Pipelines

- Gathering lines
- Proposed lines
- Mining tracts
- 15-12-9-16 1/2 mile radius

UTU-035521-A

UTU-035521

UTU-096550

UTU-64805

UTU-75039

UTU-64381

UTU-72106

UTU-74807

Jonah 15-12-9-16  
Section 12, T9S-R16E

Attachment A

**NEWFIELD**  
ROCKY MOUNTAINS



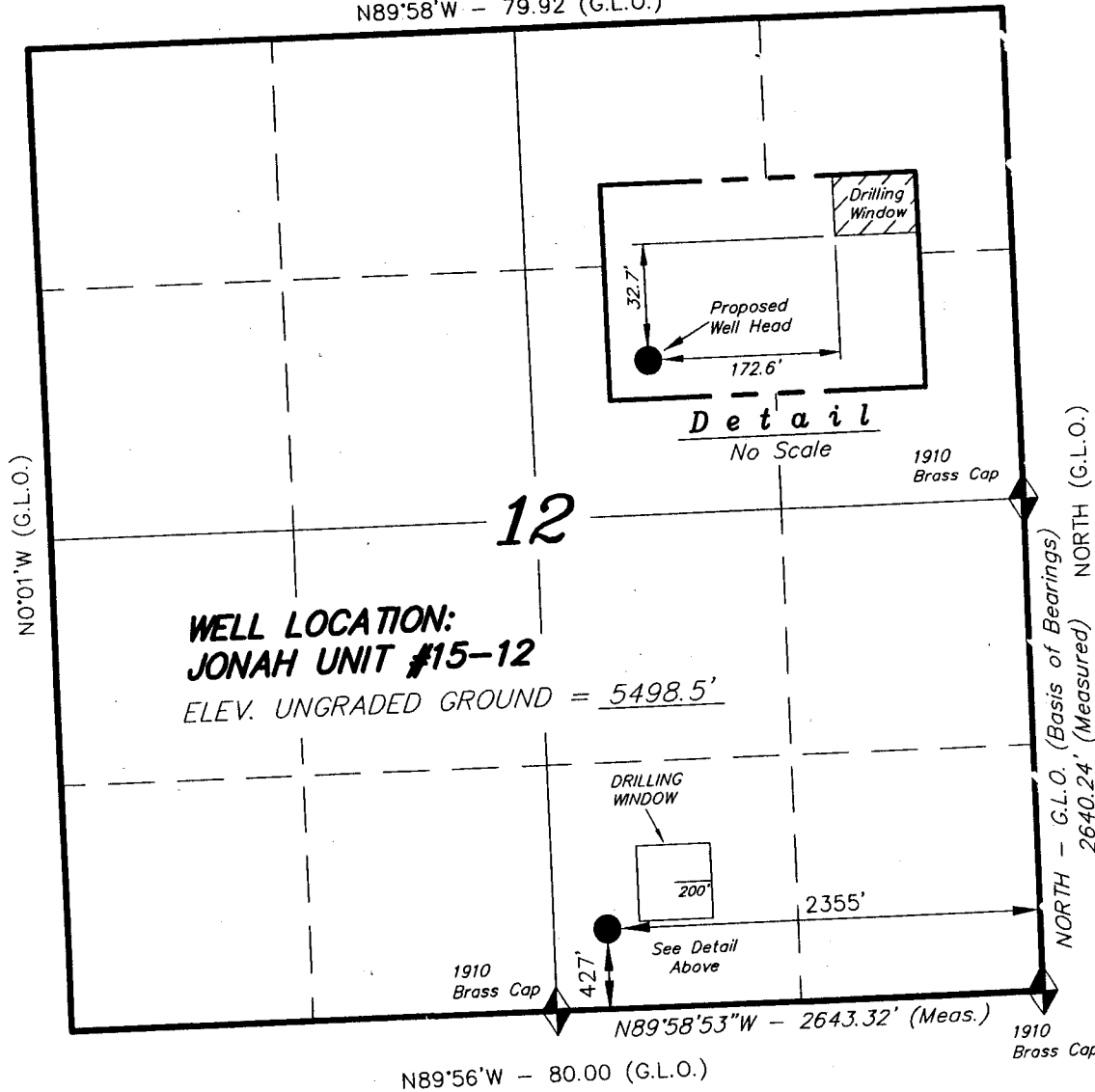
1/2 Mile Radius Map  
Duchesne County

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

February 17, 2006

**T9S, R16E, S.L.B.&M.**

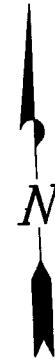
N89°58'W - 79.92 (G.L.O.)



◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

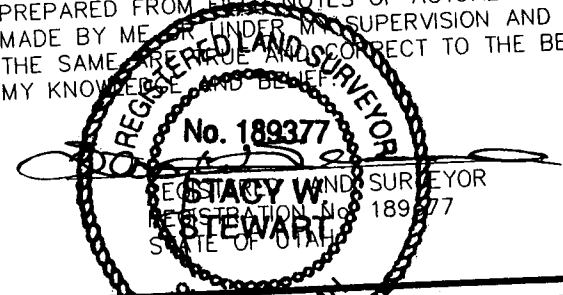
**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT #15-12,  
LOCATED AS SHOWN IN THE SW 1/4 SE  
1/4 OF SECTION 12, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



Attachment A-1

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**  
38 WEST 100-NORTH - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 7-31-02	DRAWN BY: J.R.S.
NOTES:	FILE #

# EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 12: S/2NE/4, SE/4	UTU-035521 HBP	Newfield Production Company	(Surface Rights) USA
2	<u>Township 9 South, Range 16 East</u> Section 12: SW/4	UTU-035521-A HBP	Newfield Production Company Thomas J. Lambert Larry Simpson Vaughey & Vaughey Montana & Wyoming Oil Co. John R. Warne Bonnie B. Warne Carl B. Field Carol J. Bibler Leslie J. Beaux	(Surface Rights) USA

## EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3	<u>Township 9 South, Range 16 East</u> Section 11: E/2, NW/4, NE/4SW/4 Section 12: NW/4 Section 14: N/2NE/4, SE/4NE/4, NE/4SE/4	UTU-096550 HBP	Newfield Production Company	(Surface Rights) USA
4	<u>Township 9 South, Range 16 East</u> Section 13: NE/4NE/4, NW/4NW/4	UTU-75039 HBP	Newfield Production Company Yates Petroleum Corporation Yates Drilling Company ABO Petroleum Corporation Myco Industries, Inc.	(Surface Rights) USA
5	<u>Township 9 South, Range 16 East</u> Section 13: NW/4NE/4, NE/4NW/4, S/2N/2, S/2	UTU-64805 HBP	Newfield Production Company Yates Petroleum Corporation Yates Drilling Company ABO Petroleum Corporation Myco Industries, Inc.	(Surface Rights) USA

# EXHIBIT B

Page 3

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
6	<u>Township 9 South, Range 17 East</u> Section 7: Lot 4	UTU-64381 HBP	Newfield Production Company Yates Petroleum Corporation	(Surface Rights) USA
7	<u>Township 9 South, Range 17 East</u> Section 7: Lot 3	UTU-74807 HBP	Newfield Production Company	(Surface Rights) USA
8	<u>Township 9 South, Range 17 East</u> Section 7: E/2SW/4, SE/4 Section 17: N/2, W/2SE/4 Section 18: Lots 1-4, E/2W/2, NE/4NE/4 S/2NE/4, NE/4SE/4, S/2SE/4	UTU-72106 HBP	Newfield Production Company	(Surface Rights) USA


ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah Federal #15-12-9-16


I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

  
Newfield Production Company  
David Gerbig  
Operations Engineer

Sworn to and subscribed before me this 22 day of March, 2006.

Notary Public in and for the State of Colorado: \_\_\_\_\_



My Commission Expires  
05/05/2009

My Commission Expires: \_\_\_\_\_

## Jonah Federal 15-12-9-16

Spud Date: 10-08-05  
Put on Production: 11-11-05

GL: 5499' KB: 5511'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (296.84')  
DEPTH LANDED: 308.69' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts. (5906.75')  
DEPTH LANDED: 5920' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 130'

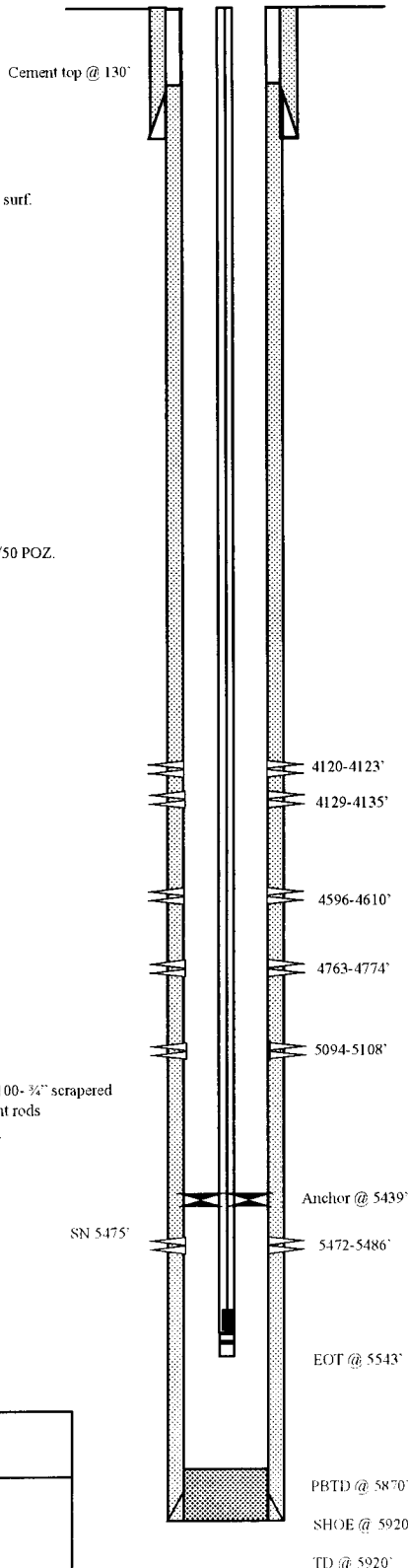
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 163 jts (5428.60')  
TUBING ANCHOR: 5438.60' KB  
NO. OF JOINTS: 1 jts (33.46')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5474.86' KB  
NO. OF JOINTS: 2 jts (66.77')  
TOTAL STRING LENGTH: EOT @ 5543.18' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2', 8' x 3/4" pony rods, 1-3/4" plain rods, 100-3/4" scraped rods, 102-3/4" slick rods, 10-3/4" scraped rods, 6-1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" 10' x 14' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

11-07-05	5472-5486'	<b>Frac CP1, sands as follows:</b> 59446# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 1739 psi w/avg rate of 24.9 BPM. ISIP 1970 psi. Calc flush: 5470 gal. Actual flush: 5048 gal.
11-07-05	5094-5108'	<b>Frac A3, sands as follows:</b> 80231# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 1586 psi w/avg rate of 24.8 BPM. ISIP 1990 psi. Calc flush: 5092 gal. Actual flush: 4704 gal.
11-07-05	4763-4774'	<b>Frac C sands as follows:</b> 29525# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 1861 psi w/avg rate of 24.7 BPM. ISIP 2080 psi. Calc flush: 4761 gal. Actual flush: 4473 gal.
11-08-05	4596-4610'	<b>Frac D1 sands as follows:</b> 80686# 20/40 sand in 590 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/ avg rate of 25 BPM. ISIP 2220 psi. Calc flush: 4594 gal. Actual flush: 3990 gal.
11-08-05	4120-4135'	<b>Frac GB6 sands as follows:</b> 31631# 20/40 sand in 341 bbls Lightning 17 frac fluid. Treated @ avg press of 1738 w/ avg rate of 24.9 BPM. ISIP 2030 psi. Calc flush: 4118 gal. Actual flush: 4032 gal.

PERFORATION RECORD

11-02-05	5472-5486'	4 JSPF	56 holes
11-07-05	5094-5108'	4 JSPF	56 holes
11-07-05	4763-4774'	4 JSPF	44 holes
11-08-05	4596-4610'	4 JSPF	56 holes
11-08-05	4129-4135'	4 JSPF	24 holes
11-08-05	4120-4123'	4 JSPF	12 holes

**NEWFIELD**

**Jonah Federal 15-12-9-16**

427' FSL & 2355' FEL

SW/SE Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-32627 Lease #UTU-55521

## Jonah Federal #9-12-9-16

Spud Date: 8/28/03

Put on Production: 7/15/04

GL: 5445' KB: 5457'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (305.03')

DEPTH LANDED: 315.03' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 150sxs Class "G" cmt mixed, est 4 bbls cmt to surf.

Cement Top @ 650'

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 139 jts. (5968.45')

DEPTH LANDED: 5966.45' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed &amp; 400 sxs 50/50 POZ mix.

CEMENT TOP AT: 650'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55

NO. OF JOINTS: 173 jts (5430.01')

TUBING ANCHOR: 5442.01' KB

NO. OF JOINTS: 2 jts (62.93')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5507.74' KB

NO. OF JOINTS: 2 jts (62.91')

TOTAL STRING LENGTH: EOT @ 5572.20' W/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'

SUCKER RODS: 6-1 1/2" weight rods, 10-3/4" scraped rods; 104-3/4" plain rods, 100-3/4" scraped rods, 1-8" &amp; 1-2" x 3/4" pony rods.

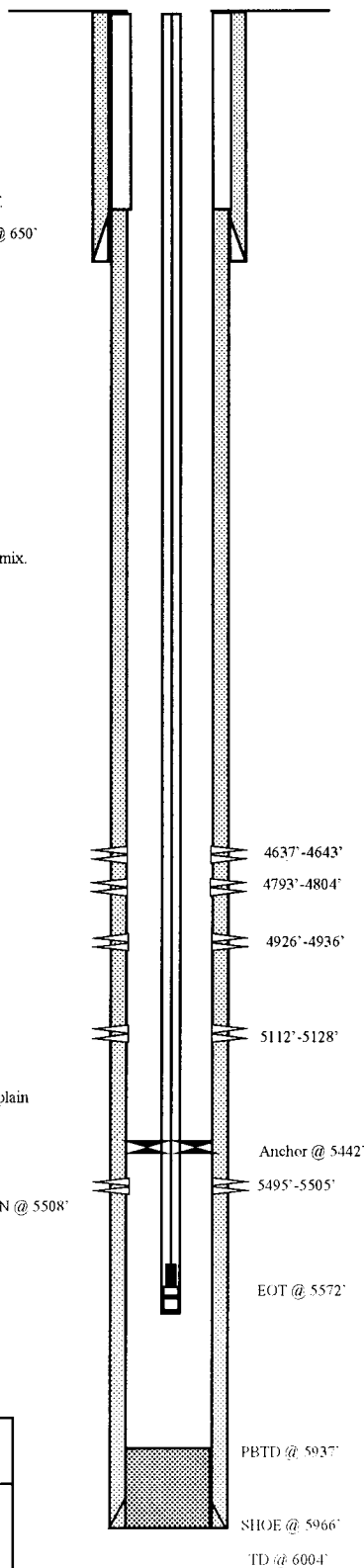
PUMP SIZE: 2-1/2" x 1-1/2" x 15" RHAC pump w/ SM Plunger

STROKE LENGTH: 74"

PUMP SPEED, SPM: 5.5 SPM

LOGS: DIGL/SP/GR/CAL

## Wellbore Diagram

FRAC JOB

7/8/04 5495'-5505'

Frac CP1 sands as follows:

24,061# 20/40 sand in 289 bbls lightning Frac 17 fluid. Treated @ avg press of 1715 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5493 gal. Actual flush: 5481 gal.

7/8/04 5112'-5128'

Frac A3 sands as follows:

55,197# 20/40 sand in 445 bbls lightning Frac 17 fluid. Treated @ avg press of 2231 psi w/avg rate of 24.7 BPM. ISIP 2030 psi. Calc flush: 5110 gal. Actual flush: 5040 gal.

7/8/04 4926'-4936'

Frac B2 sands as follows:

66,157# 20/40 sand in 513 bbls lightning Frac 17 fluid. Treated @ avg press of 2068 psi w/avg rate of 24.8 BPM. ISIP 2700 psi. Calc flush: 4924 gal. Actual flush: 4956 gal.

7/9/04 4793'-4804'

Frac C sands as follows:

32,557# 20/40 sand in 344 bbls lightning Frac 17 fluid. Treated @ avg press of 1725 psi w/avg rate of 24.7 BPM. ISIP 1920 psi. Calc flush: 4791 gal. Actual flush: 4788 gal.


7/9/04 4637'-4643'

Frac D1 sands as follows:

19,333# 20/40 sand in 244 bbls lightning Frac 17 fluid. Treated @ avg press of 1838 psi w/avg rate of 24.8 BPM. ISIP 1920 psi. Calc flush: 4635 gal. Actual flush: 4537 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
7/7/04	5495'-5505'	4 JSPF	40 holes
7/8/04	5112'-5128'	4 JSPF	64 holes
7/8/04	4926'-4936'	4 JSPF	40 holes
7/8/04	4793'-4804'	4 JSPF	44 holes
7/9/04	4637'-4643'	4 JSPF	24 holes



**Inland Resources Inc.**

**Jonah Federal #9-12-9-16**

1953' FSL & 729' FEL

NE/SE Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-32430; Lease #1035521

## C&amp;O Govmt. #2-12-9-16

Spud Date: 6/15/1965  
 Put on Production: 7/23/1965  
 GL: 5515' KB: 5525'

Initial Production: 130 BOPD,  
 NM MCFD, 15 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 271'  
 DEPTH LANDED: 281'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 176 sxs cement.

PRODUCTION CASING

CSG SIZE: 5-1/2" / 14#  
 LENGTH: 0-2500'  
 CSG SIZE: 5-1/2" / 15.5#  
 LENGTH: 2500'-5260'  
 DEPTH LANDED: 5260'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 286 cu ft slurry  
 CEMENT TOP AT: 4300' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 161 jts (5000.62') KB  
 TUBING ANCHOR: 5010.62'  
 NO. OF JOINTS: 1 jts (32.64') KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5046.06' KB  
 NO. OF JOINTS: 2 jts (64.32)  
 TOTAL STRING LENGTH: EOT @ 5111.53' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1 1/2" weight bars; 20-3/4" scraper rods; 77-3/4" plain rods; 100-3/4" scraper rods, 2-4", x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC  
 STROKE LENGTH: 56"  
 PUMP SPEED, SPM: 6 SPM

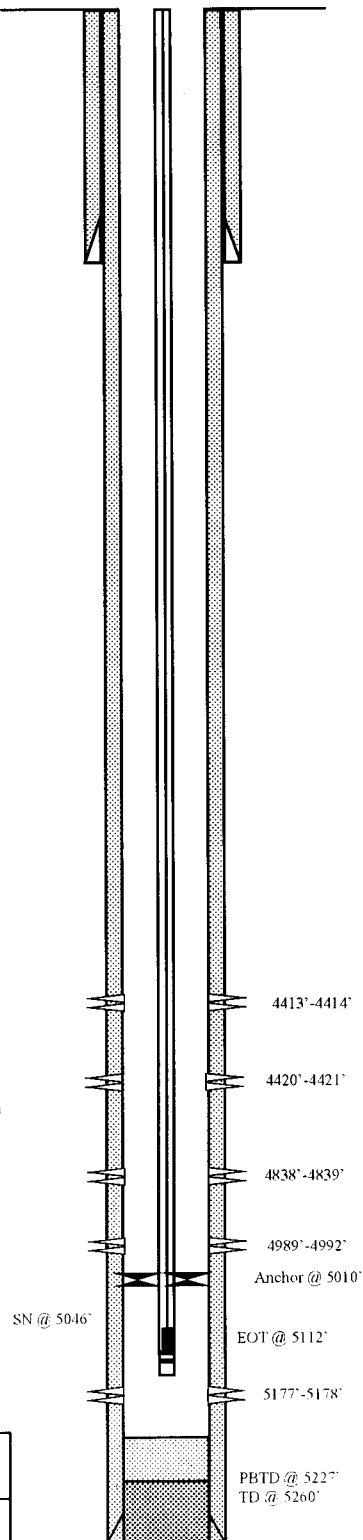
FRAC JOB

7/12/65 4413'-5178' **Frac zone as follows:**  
 50,000# 20/40 sand + 4000# 8/12 glass beads in 1238 bbls 2% KCl wtr. Treated @ avg press of 2650 psi w/avg rate of 48.5 BPM. ISIP 2000 psi.

7/13/84 4989'-4992' **Frac zone as follows:**  
 55,000# 20/40 sand in 464 bbls 2% KCl wtr. Tubing burst when final stage screened out on perms. Approx. 34,000# sand in perms.

12/7/05 Pump change. Update rod and tubing details.

12/13/05 Pump change. Update rod and tubing details.

PERFORATION RECORD

7/11/65	5177'-5178'	4 SPF	04 holes
7/11/65	4838'-4839'	4 SPF	04 holes
7/11/65	4420'-4421'	4 SPF	04 holes
7/11/65	4413'-4414'	4 SPF	04 holes
7/13/84	4989'-4992'	4 SPF	16 holes

**NEWFIELD****C&O Govmt. #2**

1980' FSL &amp; 2080' FEL

NWSE Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-15112, Lease #U-035521 A

## C &amp; O Gvmt. #4-12-9-16

Spud Date: 4/14/83  
 Put on Production: 6/02/83  
 Put on Injection: 10/27/94  
 GL: 5450' KB: 5462'

Initial Production: 110 BOPD,  
 60 MCFD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.  
 DEPTH LANDED: 292'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 241 cu. ft. Class "G" cement.

PRODUCTION CASING

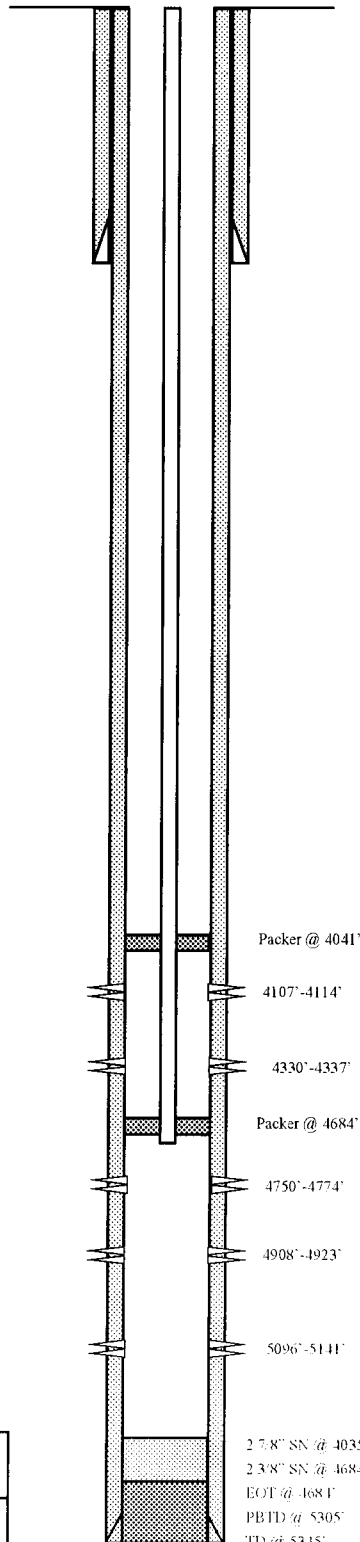
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts.  
 DEPTH LANDED: 3546'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 633 cu. ft. Hilift slurry + 338 cu. ft. RFC slurry.  
 CEMENT TOP AT: ? per CBL

TUBING


SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 128 jts (4021.48')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4035.18' KB  
 PACKER: 4041.38'  
 SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.5#  
 NO. OF JOINTS: 20 jts (635.06')  
 PACKER: 4683.24'  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4684.34' KB  
 TOTAL STRING LENGTH: EOT @ 4684.34'

FRAC JOB

5/14/83	5096'-5138'	<b>Frac zone as follows:</b> 68,000# 20/40 sand in 393 bbls frac fluid. Treated @ avg press of 1625 psi w/avg rate of 20 BPM. Screened out.
5/18/83	4908'-4923'	<b>Frac zone as follows:</b> 37,000# 20/40 sand + 6,000# 10/20 sand in 568 bbls frac fluid. Treated @ avg press of 2180 psi w/avg rate of 20 BPM. Calc. flush: 4908 gal. Actual flush: 4870 gal.
5/22/83	4750'-4774'	<b>Frac zone as follows:</b> 55,000# 20/40 sand in 672 bbls frac fluid. Treated @ avg press of 1600 psi w/avg rate of 21 BPM. Calc. flush: 4750 gal. Actual flush: 4748 gal.
5/24/83	4107'-4337'	<b>Frac zone as follows:</b> 55,000# 20/40 sand in 526 bbls frac fluid. Treated @ avg press of 1880 psi w/avg rate of 24 BPM. Calc. flush: 4107 gal. Actual flush: 4100 gal.
10/27/94		Convert to injector. Update tubing details.

PERFORATION RECORD

5/13/83	5096'-5141'	18 holes
5/17/83	4908'-4923'	22 holes
5/21/83	4750'-4774'	24 holes
5/23/83	4330'-4337'	08 holes
5/23/83	4107'-4114'	08 holes

	<b>Inland Resources Inc.</b>
	<b>C &amp; O Govmt. #4</b>
	2140' FSL & 1820' FWL
	NESW Section 12-T9S-R16E
	Duchesne Co, Utah
API #43-013-30742, Lease #U-035521	

## C &amp; O Gvmt. #1-12-9-16

Spud Date: 10/12/64  
Put on Production: 12/10/64  
GL: 5456' KB: 5468'

Initial Production: 480 BOPD, 0 BOPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 10 3/4"  
WEIGHT: 32.75#  
LENGTH: 8 jts (217')  
DEPTH LANDED: 229'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 135 cu. ft. Ideal Type II.

PRODUCTION CASING

CSG SIZE: 5-1/2" / 17# / N-80  
LENGTH: 41 jts. (1253.85')  
CSG SIZE: 5-1/2" / 15.5# / J-55  
LENGTH: 127 jts. (3927.00')  
CSG SIZE: 5-1/2" / 17# / N-80  
LENGTH: 1 jt. (20.00')  
DEPTH LANDED: 5200.00'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 315 cu. ft. 50/50 POZ + 75 sxs 50/50 POZ.  
CEMENT TOP AT 4750' per CBL

TUBING

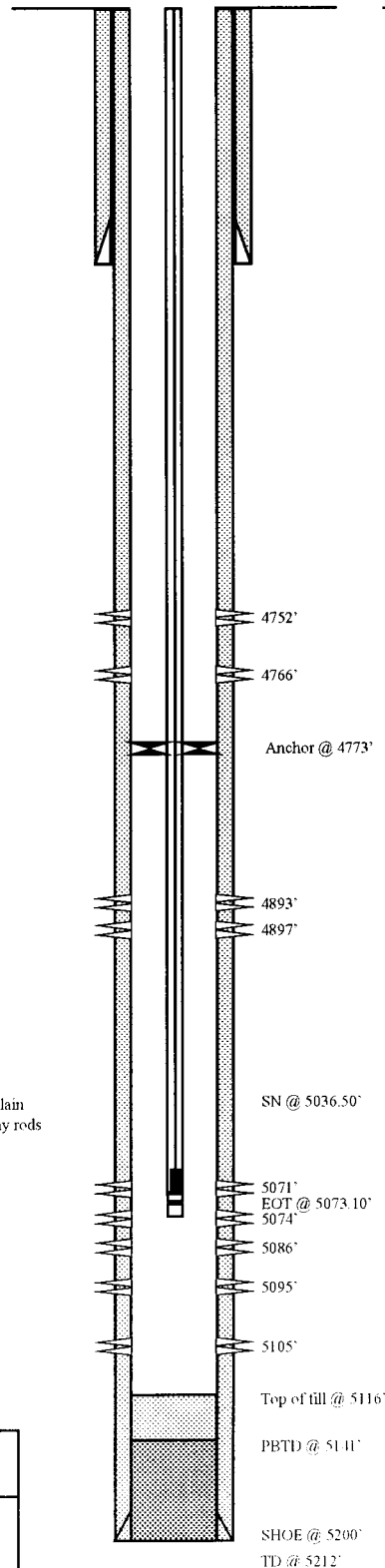
SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 154 jts (4766.47')  
TUBING ANCHOR: 4773.47' KB  
NO. OF JOINTS: 8 jts (260.21')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 5036.50' KB  
NO. OF JOINTS: 1 jts Perfsub (4.22')  
NO. OF JOINTS: 1 jts (30.88')  
TOTAL STRING LENGTH: EOT @ 5073.10'

SUCKER RODS


POLISHED ROD: 1 1/4" x 16' SM  
SUCKER RODS: 6-1 5/8" weight rods, 20-3/4" scraped rods, 76-3/4" plain rods, 78-3/4" steel scraped rods, 20-3/4" scraped rods, 2-6' x 3/4" pony rods  
PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC  
STROKE LENGTH: 44"  
PUMP SPEED, SPM: 4 SPM  
LOGS: IES, SGR, ML, CBL

FRAC JOB

12/64	5071'-5074'	<b>Frac zone as follows:</b> 13,900# sand + 3150# glass beads in 721 bbls lease crude oil. Treated @ avg press of 3850 psi w/avg rate of 37 BPM.
12/64	4893'-4897'	<b>Frac zone as follows:</b> 13,900# sand + 1575# glass beads in 721 bbls lease crude oil. Treated @ avg press of 4000 psi w/avg rate of 29 BPM.
5/20/73	5071'-5105'	<b>Frac zone as follows:</b> 16,500# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 6 BPM.
5/21/73	4752'-4766'	<b>Frac zone as follows:</b> 14,000# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 3500 psi w/avg rate of 16 BPM.
6/18/99		Pump change. Update rod and tubing details.
5/13/03		Tubing leak. Update rod and tubing details.

PERFORATION RECORD

12/64	5074'	4 SPF	04 holes
12/64	5071'	4 SPF	04 holes
12/64	4897'	4 SPF	04 holes
12/64	4893'	4 SPF	04 holes
05/93	5105'	3 SPF	03 holes
05/93	5095'	3 SPF	03 holes
05/93	5086'	3 SPF	03 holes
05/93	4766'	3 SPF	03 holes
05/93	4752'	3 SPF	03 holes



**Inland Resources Inc.**  
**C&O Gov't. #1**  
1905 FSL & 660 FWL  
NWSW Section 12-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15111 Lease #U-035521 A

Spud Date: 11/03/93  
 Put on Production: 12/18/93  
 Put on Injection: 10/28/94  
 GL: 5487' KB: 5497'

## Monument Fed. #14-12J-9-16

Initial Production: 70 BOPD,  
 NM MCFD, 20 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (271.17')  
 DEPTH LANDED: 279' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

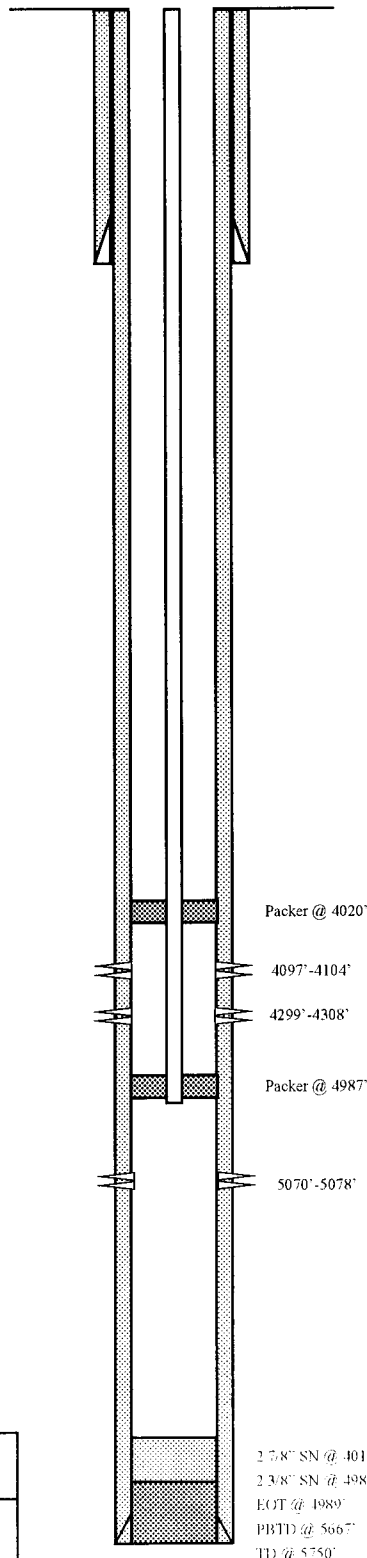
CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5718.17')  
 DEPTH LANDED: 5727.17'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 220 sxs Lead cement & 260 sxs 50/50 POZ.  
 CEMENT TOP AT: ? per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4002.65')  
 SEATING NIPPLE: 2-7/8" (1.12')  
 SN LANDED AT: 4013.77' KB  
 2 7/8" x 2 3/8" CROSSOVER: 4014.52' KB  
 PACKER: 4020.72' KB  
 SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.5#  
 NO. OF JOINTS: 31 jts (960.38')  
 PACKER: 4987.90' KB  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4989.00' KB  
 TOTAL STRING LENGTH: EOT @ 4989.00'

### FRAC JOB

12/06/93	5070'-5078'	<b>Frac zone as follows:</b>
		25.446# 20/40 sand in 286 bbls 2% KCl. Treated @ avg press of 2341 psi w/avg rate of 17.4 BPM. ISIP 3578 psi. Calc. flush: 5070 gal. Actual flush: 5030 gal.
12/09/93	4097'-4308'	<b>Frac zone as follows:</b>
		41,300# 20/40 sand in 457 bbls 2% KCl. Treated @ avg press of 2527 psi w/avg rate of 19 BPM. ISIP 1606 psi. Calc. flush: 4097 gal. Actual flush: 4050 gal.



### PERFORATION RECORD

12/06/93	5070'-5078'	2 SPF	16 holes
12/08/93	4299'-4308'		06 holes
12/08/93	4097'-4104'		05 holes



Inland Resources Inc.

Monument Fed. #14-12j-9-16

660' ESL & 660' FWL

SWSW Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-31411, Lease #U-035521-A

## Balcron Monument Federal #24-12J

Wellbore Diagram

Elev. GL @ 5495'  
Elev. KB @ 5505' (10' KB)

## SURFACE CASING

8-5/8", 24#, J-55  
6 jts @ 271.28'  
Landed @ 279' KB  
Hole size 12-1/4"  
Cemented w/ 150 sx Class G w/ 2%  
CaCl & 1/4#/sx Celoflaker. Circulated  
to surface with good returns.

## PRODUCTION CASING

5-1/2", 15.5#, K-55  
129 jts @ 5676.22'  
Landed @ 5685.22' KB  
Hole size 7-7/8"  
Cemented w/ 204 sx G w/4% Thriftytyle,  
3% salt tailed w/215 sx 50/50 POZ  
w/2% gel & 10% salt.  
Unable to depict cer

## TUBING

2 7/8", 6.5#, J-55  
177 jts @ 5504.99'  
SN - 2-7/8" X 1.10'  
Mud Anchor - 2-7/8" x 31.42'  
Total string length - 5550.71' KB  
SN Landed @ 5516.09'

## SUCKER ROD RECORD

1 - 1-1/4" x 22' Polish Rod  
2 - 3/4" x 6' Pony rods  
219 - 3/4" x 25' Plain rods

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
w/ PA plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4-1/4 SPM  
PUMPING UNIT SIZE:

279' KB ----&gt;

## ACID JOBS

4080'-4123'	12-22-93 with 500 gal 15% HCl
4746'-4750'	12-17-93 with 500 gal 15% HCl w/ 16 ball sealers
5476'-5485'	12-13-93: Dowell - No details available

## FRAC JOBS

4080'-4123'	12-22-93 w/ 33085# 16-30 mesh sand in 21000 gal YF155 2% KCl water
4746'-4750'	12-17-93 w/ 13978# 16-30 mesh sand in 10374 gal YF155 2% KCl water. Screened out during flush. ATR 15 BPM @ 2500 psi, max 3350 psi. ISIP 2450 psi, 10 min - 1488 psi, 15 min - 1484 psi.
5476'-5485'	12-14-93. Screened out - no details available.

## PERFORATION RECORD

4080'-4086' (6')	(2 SPF)	YELLOW2
4118'-4123' (5')	(2 SPF)	YELLOW3
4746'-4750' (4')	(2 SPF)	RED5
5476'-5485' (9')	(2 SPF)	BLUE1

&lt;---SN Landed @ 5516.09' KB

PBTD @ 5634.31' KB  
TD @ 5700' KB



Inland Resources Inc.

BALCRON MONUMENT FEDERAL #24-12J  
Jonah Unit/Monument Butte Field  
Lease No. U-035521-A  
SE SW Section 12, T9S, R16E  
Duchesne County, Utah

## Jonah Federal #16-12-9-16

Spud Date: 9/2/03

Put on Production: 7/22/04

GL: 5423' KB: 5435'  
**SURFACE CASING**

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (293.13')

DEPTH LANDED: 303.13' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 150sxs Class "G" cmt mixed, est 4 bbls cmt to surf.

Cement Top @ 432'

**PRODUCTION CASING**

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 136 jts. (5777.44')

DEPTH LANDED: 5775.44' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed &amp; 400 sxs 50/50 POZ mix.

CEMENT TOP AT: 432'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55

NO. OF JOINTS: 172 jts (5528.20')

TUBING ANCHOR: 5540.20' KB

NO. OF JOINTS: 1 jts (32.46')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5575.46' KB

NO. OF JOINTS: 2 jts (64.07')

TOTAL STRING LENGTH: EOT @ 5641.08' W/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'

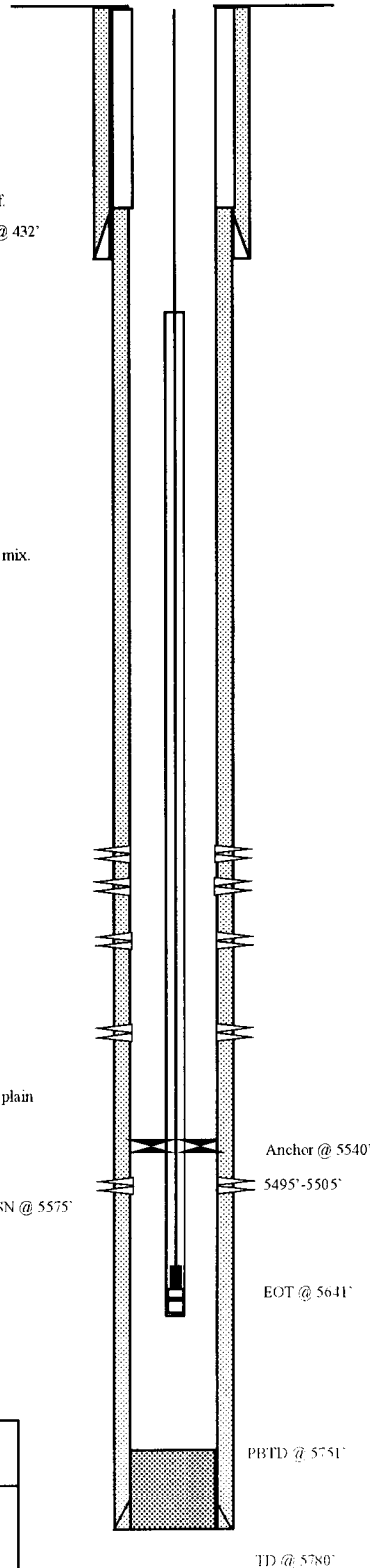
SUCKER RODS: 6-1 1/2" weight rods, 10-3/4" scraped rods; 107-3/4" plain rods, 100-3/4" scraped rods, 1-4" &amp; 1-2" x 3/4" pony rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 15" RHAC pump w/ SM Plunger

STROKE LENGTH: 64"

PUMP SPEED, SPM: 5 SPM

LOGS: DIGL/SP/GR/CAL

**Wellbore Diagram****FRAC JOB**

7/15/04	5595'-5708'	<b>Frac CP sands as follows:</b> 60,657# 20/40 sand in 489 bbls lightning Frac 17 fluid. Treated @ avg press of 1500 psi w/avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 5593 gal. Actual flush: 5590 gal.
7/16/04	5164'-5170'	<b>Frac LODC sands as follows:</b> 24,253# 20/40 sand in 259 bbls lightning Frac 17 fluid. Treated @ avg press of 2680 psi w/avg rate of 24.6 BPM. Screened out.
7/19/04	5059' - 5068'	<b>Frac A3 sands as follows:</b> 49,173# 20/40 sand in 419 bbls lightning Frac 17 fluid. Treated @ avg press of 1790 psi w/avg rate of 24.7 BPM. ISIP 2050 psi. Calc flush: 5057 gal. Actual flush: 5057 gal.
7/19/04	4859' - 4869'	<b>Frac B2 sands as follows:</b> 59,382# 20/40 sand in 469 bbls lightning Frac 17 fluid. Treated @ avg press of 2122 psi w/avg rate of 24.7 BPM. ISIP 2570 psi. Calc flush: 4857 gal. Actual flush: 4855 gal.
7/19/04	4713' - 4732'	<b>Frac C sands as follows:</b> 60,016# 20/40 sand in 458 bbls lightning Frac 17 fluid. Treated @ avg press of 1894 psi w/avg rate of 24.7 BPM. ISIP 2220 psi. Calc flush: 4711 gal. Actual flush: 4757 gal.
7/19/04	4563' - 4639'	<b>Frac D sands as follows:</b> 89,343# 20/40 sand in 651 bbls lightning Frac 17 fluid. Treated @ avg press of 1813 psi w/avg rate of 24.7 BPM. ISIP 2075 psi. Calc flush: 4561 gal. Actual flush: 4561 gal.
7/19/04	4078' - 4105'	<b>Frac GB6 sands as follows:</b> 80,167# 20/40 sand in 566 bbls lightning Frac 17 fluid. Treated @ avg press of 1532 psi w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc flush: 4077 gal. Actual flush: 3990 gal.

**PERFORATION RECORD**

7/13/04	5696'-5708'	4 JSPF	48 holes
7/13/04	5613'-5620'	4 JSPF	28 holes
7/13/04	5595'-5600'	4 JSPF	20 holes
7/15/04	5164'-5170'	4 JSPF	24 holes
7/19/04	5059'-5068'	4 JSPF	36 holes
7/19/04	4859'-4869'	4 JSPF	40 holes
7/19/04	4713'-4732'	4 JSPF	76 holes
7/19/04	4635'-4639'	4 JSPF	16 holes
7/19/04	4612'-4617'	4 JSPF	20 holes
7/19/04	4563'-4573'	4 JSPF	40 holes
7/19/04	4099'-4105'	4 JSPF	24 holes
7/19/04	4078'-4096'	4 JSPF	72 holes



Inland Resources Inc.

Jonah Federal #16-12-9-16

858' FSL &amp; 859' FEL

SE SE Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-32431; Lease #11-035521

## Federal 1-13-9-16

Spud Date: 08/08/05  
Put on Production: 11/03/05

GL: 5459' KB: 5471'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.91')  
DEPTH LANDED: 313.76' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts. (5798.07')  
DEPTH LANDED: 5811.32' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.

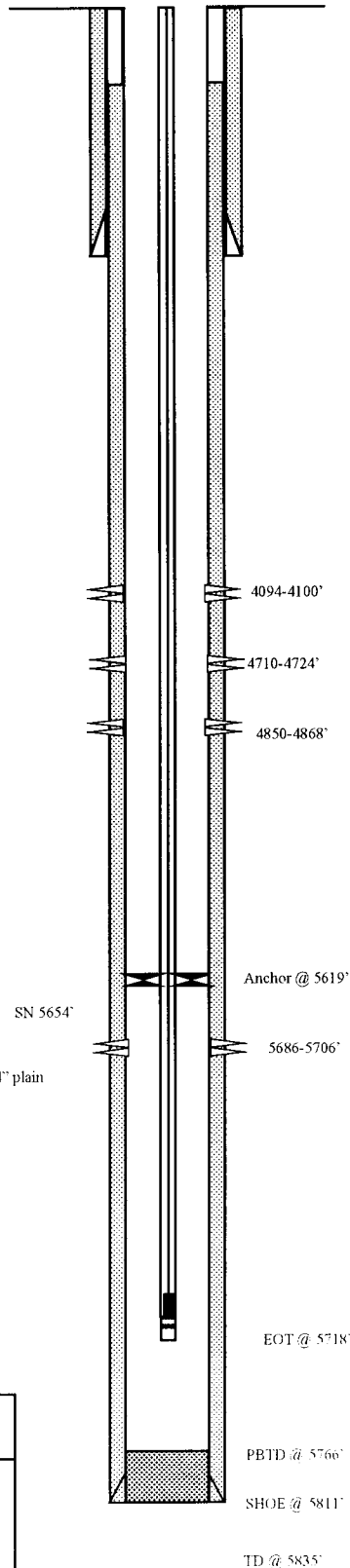
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 180 jts (5609.88')  
TUBING ANCHOR: 5619.81' KB  
NO. OF JOINTS: 1 jts (31.42')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5654.10' KB  
NO. OF JOINTS: 2 jts (62.55')  
TOTAL STRING LENGTH: EOT @ 5718.20' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22" SM  
SUCKER RODS: 1-2" x 3/4" pony rod, 99-3/4" scraped rods, 110-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 14.5" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, 6 SPM:

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

10/31/05 5686-5706' **Frac CP5 sands as follows:**  
89079# 20/40 sand in 688 bbls Lightning 17 frac fluid. Treated @ avg press of 1303 psi w/avg rate of 24.8 BPM. ISIP 1900 psi. Calc flush: 5684 gal. Actual flush: 5431 gal.


10/31/05 4850-4868' **Frac B2 sands as follows:**  
69180# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1759 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 4848 gal. Actual flush: 4633 gal.

10/31/05 4710-4724' **Frac C sands as follows:**  
98861# 20/40 sand in 710 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4708 gal. Actual flush: 4507 gal.

10/31/05 4094-4100' **Frac GB6 sands as follows:**  
33229# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 1858 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4092 gal. Actual flush: 3935 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
10/24/05	5686-5706'	4 JSPF	80 holes
10/31/05	4850-4868'	4 JSPF	72 holes
10/31/05	4710-4724'	4 JSPF	56 holes
10/31/05	4094-4100'	4 JSPF	24 holes


<b>Federal 1-13-9-16</b> 487' FNL & 612' FEL NE/NE Section 13-T9S-R16E Duchesne Co, Utah API #43-01332600; Lease #UTU-75039

## Federal 2-13-9-16

Spud Date: 10-13-05  
Put on Production: 11-30-05

GL: 5472' KB: 5484'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (301.06')  
DEPTH LANDED: 312.91' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5815.48')  
DEPTH LANDED: 5828.73' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 60'

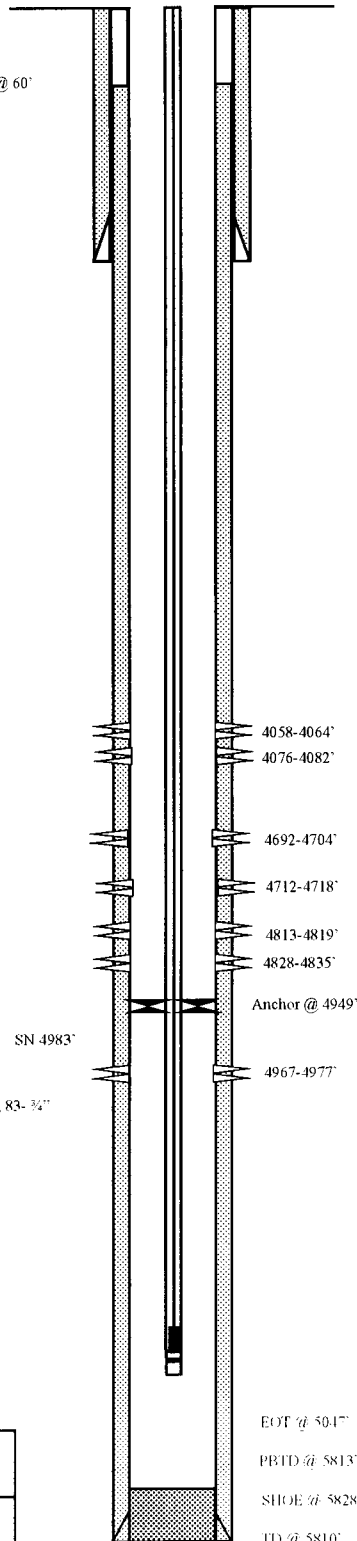
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 155 jts (4939.31')  
TUBING ANCHOR: 4949.31' KB  
NO. OF JOINTS: 1 jts (31.25')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4983.36' KB  
NO. OF JOINTS: 2 jts (62.53')  
TOTAL STRING LENGTH: EOT @ 5047.44' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-6' & 1-2' X 3/4" pony rods, 99- 3/4" scraped rods, 83- 3/4" plain rods, 10- 3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED: 5 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

11-21-05 4967-4977' **Frac A1 sands as follows:**  
24275# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4965 gal. Actual flush: 4691 gal.


11-21-05 4813-4835' **Frac B1 sands as follows:**  
59177# 20/40 sand in 474 bbls Lightning 17 frac fluid. Treated @ avg press of 1679 psi w/avg rate of 24.7 BPM. ISIP 2250 psi. Calc flush: 4811 gal. Actual flush: 4599 gal.

11-22-05 4692-4718' **Frac C sands as follows:**  
59763# 20/40 sand in 470 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4690 gal. Actual flush: 4032 gal.

11-22-05 4058-4082' **Frac GB6 sands as follows:**  
31561# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 w/ avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 4056 gal. Actual flush: 3948 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
11-14-05	4967-4977'	4 JSPF	40 holes
11-21-05	4828-4835'	4 JSPF	28 holes
11-21-05	4813-4819'	4 JSPF	24 holes
11-22-05	4712-4718'	4 JSPF	24 holes
11-22-05	4692-4704'	4 JSPF	48 holes
11-22-05	4076-4082'	4 JSPF	24 holes
11-22-05	4058-4064'	4 JSPF	24 holes


<b>Federal 2-13-9-16</b> 626' FNL & 1847' FEL NW/NE Section 13-T9S-R16E Duchesne Co, Utah API #43-013-32659; Lease #UTU-64805

## Federal #21-13Y-9-16

Spud Date: 8/13/1993  
Put on Production: 9/16/1993

GL: 5535' KB: 5545'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (275')  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Premium Plus cement, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5945.72')  
DEPTH LANDED: 5940.72'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 145 sxs Hilift cement & 325 sxs Class "G".  
CEMENT TOP AT: 1040' per CBL

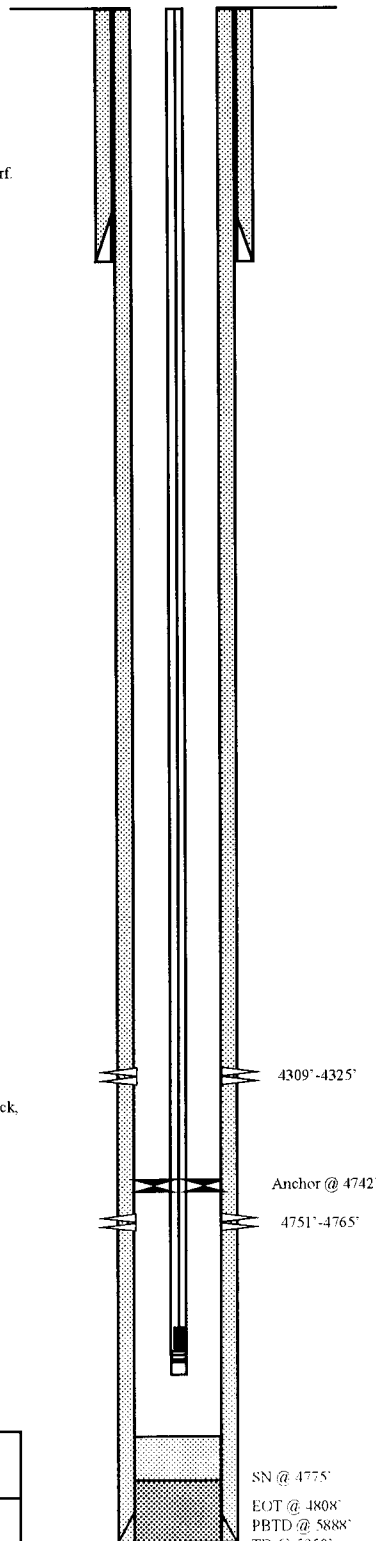
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 153 jts (4726.16')  
TUBING ANCHOR: 4742'  
NO. OF JOINTS: 1 jt (31.44')  
SEATING NIPPLE: 4775.50'  
NO. OF JOINTS: 1 jt (32.50')  
TOTAL STRING LENGTH: EOT @ 4808.45' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 16' SM  
SUCKER RODS: 4-1 1/2" weight bars; 10-3/4" guided rods; 176-3/4" slick,  
2-4', 2-6' x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 5 SPM  
LOGS: DIGL/SP/GR/CAL

Wellbore Diagram



Initial Production: 84 BOPD,  
126 MCFD, 7 BWPD

FRAC JOB

8/28/93	4751'-4765'	<b>Frac as follows:</b> 20,140# 20/40 sand & 15,380# 16/30 sand in 371 bbls gelled KCL frac fluid. Treated @ avg press of 1900 psi w/avg rate of 20 BPM. ISIP 1850 psi.
9/1/93	4309'-4325'	<b>Frac as follows:</b> 33,600# 16/30 sand in 377 bbls gelled KCL frac fluid. Treated @ avg press of 2050 psi w/avg. rate of 24.5 BPM. ISIP 1800 psi.
2/14/01		Tubing job. Update Rod and tubing details.

PERFORATION RECORD

8/26/93	4751'-4765'	2 JSPF	28 holes
8/31/93	4309'-4325'	2 JSPF	32 holes



**Inland Resources Inc.**

**Federal #21-13Y-9-16**

702' FNL & 1830' FWL

NENW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-31400; Lease #U-64805

## Pan American #1FR-9-16

Spud Date: 1/5/06  
Put on Production: 2/9/06

GL: 5529' KB: 5541'

SURFACE CASING

CSG SIZE: 10 3/4" / 32.75#  
DEPTH LANDED: 309'  
HOLE SIZE: 15"  
CEMENT DATA: 230 sxs cement.  
HOLE SIZE to 6000': 10"

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts. (5479.96')  
DEPTH LANDED: 5477.96' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ.  
CEMENT TOP AT: 1290'

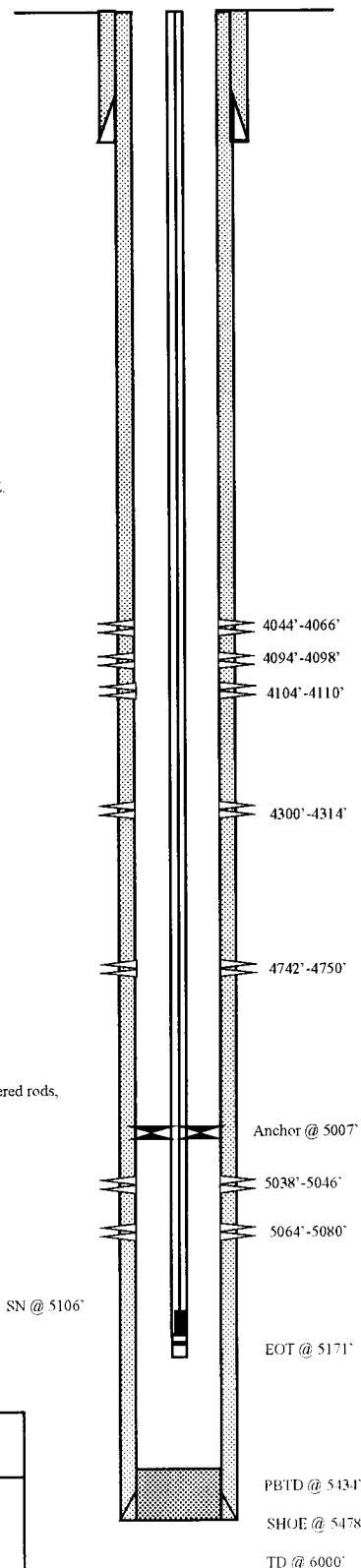
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 157 jts (4995.27')  
TUBING ANCHOR: 5007.27' KB  
NO. OF JOINTS: 3 jts (96.02')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5106.09' KB  
NO. OF JOINTS: 2 jts (62.92')  
TOTAL STRING LENGTH: EOT @ 5170.56' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod  
SUCKER RODS: 1-8", 1-6", 1-4", 1-2" x 3/4" pony rods, 99- 3/4" scraped rods,  
88- 3/4" plain rods, 10- 3/4" scraped rods, 6-1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM


## Wellbore Diagram

FRAC JOB

2/6/06	5038'-5080'	<b>Frac A1&amp;3 sands as follows:</b> 70,448# 20/40 sand in 562 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 5036 gal. Actual flush: 5040 gal.
2/6/06	4742'-4750'	<b>Frac C sands as follows:</b> 34,710# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1978 psi w/avg rate of 24.8 BPM. ISIP 1980 psi. Calc flush: 4740 gal. Actual flush: 4746 gal.
2/6/06	4300'-4314'	<b>Frac PB10 sands as follows:</b> 35,142# 20/40 sand in 348 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 24.8 BPM. ISIP 2060 psi. Calc flush: 4298 gal. Actual flush: 4326 gal.
2/6/06	4044'-4110'	<b>Frac GB6 sands as follows:</b> 67,736# 20/40 sand in 511 bbls Lightning 17 frac fluid. Treated @ avg press of 1805 w/ avg rate of 24.9 BPM. ISIP 1820 psi. Calc flush: 4042 gal. Actual flush: 3906 gal.

PERFORATION RECORD

2/1/06	5064'-5080'	4 JSPF	64 holes
2/1/06	5038'-5046'	4 JSPF	32 holes
2/6/06	4742'-4750'	4 JSPF	32 holes
2/6/06	4300'-4314'	4 JSPF	56 holes
2/6/06	4104'-4110'	4 JSPF	24 holes
2/6/06	4094'-4098'	4 JSPF	16 holes
2/6/06	4044'-4066'	4 JSPF	88 holes

<b>NEWFIELD</b> 
<b>Pan American #1FR-9-16</b> 663' FNL & 663' FWL NW/NW Section 13-T9S-R16E Duchesne Co, Utah APN #43-013-10822; Lease #UTU-75050

## Federal 7-13-9-16

Spud Date: 09-26-05  
Put on Production: 12-01-05

GL: 5549' KB: 5561'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (301.02')

DEPTH LANDED: 311.92' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt. est 5.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 134 jts. (5829.6')

DEPTH LANDED: 5875.35' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

CEMENT TOP AT: 390'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 173 jts (5614.34')

TUBING ANCHOR: 5626.34' KB

NO. OF JOINTS: 2 jts (65.19')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5694.33' KB

NO. OF JOINTS: 2 jts (65.16')

TOTAL STRING LENGTH: EOT @ 5761.04' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

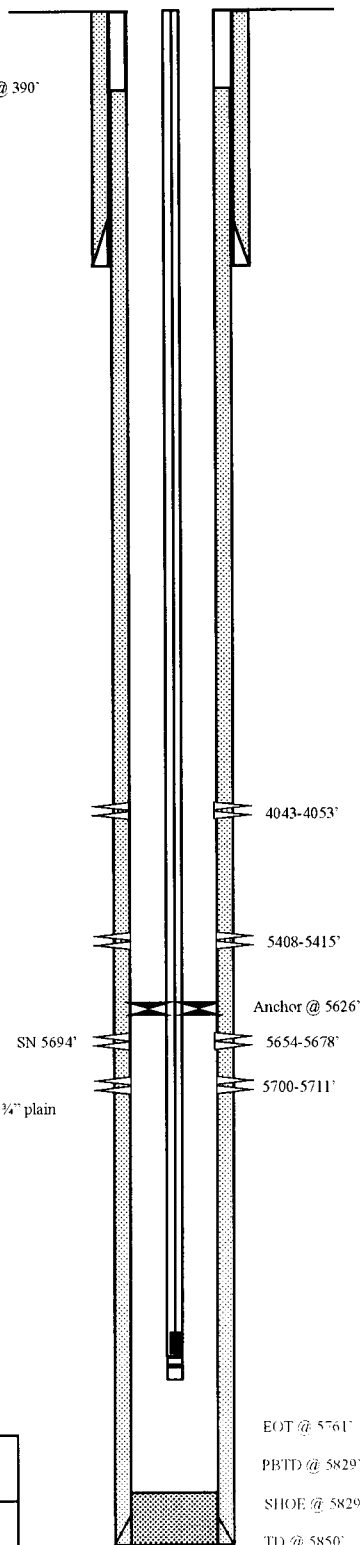
SUCKER RODS: 1-2" X 3/4" pony rods, 100- 3/4" scraped rods, 111- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weight rods

PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger

STROKE LENGTH: 86"

PUMP SPEED, SPM: 6 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

11-22-05 5654-5711'

**Frac CP4, & CP5 sands as follows:**  
124436# 20/40 sand in 875 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5652 gal. Actual flush: 5313 gal.

11-23-05 5408-5415'


**Frac CP1, sands as follows:**  
19462# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 1730 psi w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc flush: 5406 gal. Actual flush: 3990 gal.

11-23-05 4043-4053'

**Frac GB6 sands as follows:**  
47516# 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1613 psi w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4041 gal. Actual flush: 3948 gal.

PERFORATION RECORD

11-17-05	5700-5711'	4 JSPF	44 holes
11-17-05	5654-5678'	4 JSPF	96 holes
11-22-05	5408-5415'	4 JSPF	28 holes
11-23-05	4043-4053'	4 JSPF	40 holes

<b>NEWFIELD</b> 
<b>Federal 7-13-9-16</b> 1807' FNL & 2034' FEL SW/NE Section 13-T9S-R16E Duchesne Co, Utah API #43-013-32656; Lease #UTU-64805

Attachment F  
Page 1 of 6

Analytical Laboratory Report for:

NEWFIELD PRODUCTION COMPANY



Chemical Services

Account Representative:  
Arnold, Joe

## Production Water Analysis

Listed below please find water analysis report from: Johnson Water Line, JOHNSON STATION #2  
CHARGE PUMP

Lab Test No: 2006400226  
Specific Gravity: 1.001

Sample Date: 01/17/2006

TDS: 357  
pH: 7.80

Cations:	mg/L	as:
Calcium	80.00	(Ca <sup>++</sup> )
Magnesium	24.00	(Mg <sup>++</sup> )
Sodium	0	(Na <sup>+</sup> )
Iron	1.10	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	122	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	95	(SO <sub>4</sub> <sup>=</sup> )
Chloride	35	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

Page 2 of 6

NEWFIELD PRODUCTION  
COMPANY

Lab Test No: 2006400226

DownHole SAT™ Scale Prediction  
@ 60 deg. F

Chemical Services

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	1.01	.00108
Aragonite (CaCO <sub>3</sub> )	.876	-.0303
Witherite (BaCO <sub>3</sub> )	0	-4.93
Strontianite (SrCO <sub>3</sub> )	0	-1.54
Magnesite (MgCO <sub>3</sub> )	.202	-.693
Anhydrite (CaSO <sub>4</sub> )	.0236	-.314
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	.0481	-228.43
Barite (BaSO <sub>4</sub> )	0	-.0267
Celestite (SrSO <sub>4</sub> )	0	-44.65
Silica (SiO <sub>2</sub> )	0	-32.86
Brucite (Mg(OH) <sub>2</sub> )	< 0.001	-1.05
Magnesium silicate	0	-62.42
Siderite (FeCO <sub>3</sub> )	13.52	.215
Halite (NaCl)	0	-136333
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	0	-33648
Iron sulfide (FeS)	0	-.0114

**Interpretation of DHSat Results:**

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

Page 3 of 6

Analytical Laboratory Report for:

NEWFIELD PRODUCTION COMPANY



Chemical Services

Account Representative:

Arnold, Joe

## Production Water Analysis

Listed below please find water analysis report from: Run B, JONAH 15-12-9-16 TREATER

Lab Test No: 2006400437

Sample Date:

02/07/2006

Specific Gravity: 1.014

TDS: 20327

pH: 9.40

Cations:	mg/L	as:
Calcium	20.00	(Ca <sup>++</sup> )
Magnesium	34.00	(Mg <sup>++</sup> )
Sodium	7659	(Na <sup>+</sup> )
Iron	1.50	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	1342	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	370	(SO <sub>4</sub> <sup>-</sup> )
Chloride	10900	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	24	(H <sub>2</sub> S)

Page 4 of 6

NEWFIELD PRODUCTION  
COMPANY

Lab Test No: 2006400437

DownHole SAT™ Scale Prediction  
@ 130 deg. F

Chemical Services

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	14.14	11.72
Aragonite (CaCO <sub>3</sub> )	11.76	11.49
Witherite (BaCO <sub>3</sub> )	0	-1.87
Strontianite (SrCO <sub>3</sub> )	0	-.46
Magnesite (MgCO <sub>3</sub> )	29.78	26.33
Anhydrite (CaSO <sub>4</sub> )	.00532	-625.75
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	.00461	-768.1
Barite (BaSO <sub>4</sub> )	0	-.21
Celestite (SrSO <sub>4</sub> )	0	-99.54
Silica (SiO <sub>2</sub> )	0	-79.76
Brucite (Mg(OH) <sub>2</sub> )	1.42	.444
Magnesium silicate	0	-128.96
Siderite (FeCO <sub>3</sub> )	435.72	.139
Halite (NaCl)	.00105	-190855
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	< 0.001	-57322
Iron sulfide (FeS)	1502	.0279

**Interpretation of DHSat Results:**

The **Saturation Index** is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The **Momentary excess** is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The **Momentary Excess** represents the amount of scale possible while the **Saturation Level** represents the probability that scale will form.

DownHole SAT(tm)  
MIXED WATER CHEMISTRY

Page 5 of 6

1) Johnson Water

2) Jonah 15-12-9-16

Report Date: 02-15-2006

## CATIONS

Calcium (as Ca)	125.00
Magnesium (as Mg)	119.50
Barium (as Ba)	0.00
Strontium (as Sr)	0.00
Sodium (as Na)	3830
Iron (as Fe)	1.30
Manganese (as Mn)	0.00

## ANIONS

Chloride (as Cl)	5679
Sulfate (as SO4)	232.50
Dissolved CO2 (as CO2)	3.76
Bicarbonate (as HCO3)	258.86
Carbonate (as CO3)	547.81
H2S (as H2S)	12.00

## PARAMETERS

pH	9.37
Temperature (°F)	130.00
Density(g/mL)	1.00
Pressure(atm)	1.00
Calculated T.D.S.	10816
Molar Conductivity	14450

BJ Chemical Services  
Roosevelt, Utah

DownHole SAT(tm)  
MIXED WATER DEPOSITION POTENTIAL INDICATORS

Page 6 of 6

1) Johnson Water

2) Jonah 15-12-9-16

Report Date: 02-15-2006

SATURATION LEVEL		MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite (CaCO3)	120.11	Calcite (CaCO3)	53.40
Aragonite (CaCO3)	99.85	Aragonite (CaCO3)	53.09
Witherite (BaCO3)	0.00	Witherite (BaCO3)	-1.20
Strontianite (SrCO3)	0.00	Strontianite (SrCO3)	-0.295
Magnesite (MgCO3)	137.21	Magnesite (MgCO3)	45.73
Anhydrite (CaSO4)	0.0277	Anhydrite (CaSO4)	-476.59
Gypsum (CaSO4*2H2O)	0.0242	Gypsum (CaSO4*2H2O)	-581.61
Barite (BaSO4)	0.00	Barite (BaSO4)	-0.218
Magnesium silicate	0.00	Magnesium silicate	-119.64
Iron hydroxide (Fe(OH)3)	0.00468	Iron hydroxide (Fe(OH)3)	< 0.001
Iron sulfide (FeS)	1020	Iron sulfide (FeS)	0.0923

SIMPLE INDICES		BOUND IONS		TOTAL	FREE
Langelier	2.96	Calcium	125.00	84.50	
Stiff Davis Index	3.08	Barium	0.00	0.00	
		Carbonate	547.81	94.76	
		Phosphate	0.00	0.00	
		Sulfate	232.50	183.77	

## OPERATING CONDITIONS

Temperature (°F)	130.00
Time(mins)	3.00

BJ Chemical Services  
Roosevelt, Utah

**Attachment "G"**

**Jonah Federal #15-12-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient	Pmax	
Top	Bottom			(psi/ft)		
5472	5486	5479	1970	0.79	1958	←
5094	5108	5101	1990	0.82	1979	
4763	4774	4769	2080	0.87	2070	
4596	4610	4603	2220	0.92	2210	
4120	4135	4128	2030	0.93	2021	
				<b>Minimum</b>	<u>1958</u>	

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

Attachment G-1  
Page 1 of 5

WELL NAME: Jonah 15-12-9-16 Report Date: Nov. 8, 2005 Day: 02  
Operation: Completion Rig: Rigless

Surf Csg: 8-5/8' @ 308' Prod Csg: 5-1/2" @ 5920' Csg PBTD: 5837'WL  
Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
CP1 sds	5472- 5486'	4/56			

Date Work Performed: Nov. 7, 2005 SITP: SICP: 0

NU BJ Services "Ram head" flange. RU BJ & frac stage #1 (CP1 sds) W/ 59,446# 20/40 sand in 585 bbls Lightning frac 17 fluid. Perfs broke down @ 3019 psi. Treated @ ave press of 1739 psi W/ ave rate of 24.9 BPM. ISIP-1970 psi. Spotted 210 gals 15% HCL acid in flush to cover stage #2. Leave pressure on well. Est 725 BWTR.



<b>Starting fluid load to be recovered:</b>	<u>140</u>	<b>Starting oil rec to date:</b>	
<b>Fluid <u>lost</u>/recovered today:</b>	<u>585</u>	<b>Oil lost/recovered today:</b>	
<b>Ending fluid to be recovered:</b>	<u>725</u>	<b>Cum oil recovered:</b>	
<b>IFL:</b>	<b>FFL:</b>	<b>FTP:</b>	<b>Choke:</b>
			<b>Final Fluid Rate:</b>
			<b>Final oil cut:</b>

Base Fluid used: Lightning 17 Job Type: Sand frac  
Company: BJ Services

Weatherford BOP	\$140
Betts frac wtr	\$1,000
NPC fuel gas	\$150
BJ Services - CP1	\$23,373
Weatherford services	\$975
NPC supervision	\$150

### CP1 sands

5800 gals of pad

3888 gals W/ 1-4 ppg of 20/40 sand

7720 gals W/ 4-6.5 ppg of 20/40 sand

1685 gals W/ 6.5 ppg of 20/40 sand

Flush W/ 210 gals of slick water

Flush W/ 210 gals of 15% HCL acid

Flush W/ 5048 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

Max TP: 2168 Max Rate: 25.2 BPM Total fluid pmpd: 585 bbls

**Avg TP: 1739 Avg Rate: 24.9 BPM Total Prop pmpd: 59,446#**

ISIP: 1970      5 min:      10 min:      FG: .79

**Completion Supervisor:** Gary Dietz

<b>DAILY COST:</b>	<b>\$25,788</b>
--------------------	-----------------

**TOTAL WELL COST:** \$285,176



## DAILY COMPLETION REPORT

WELL NAME: Jonah 15-12-9-16Report Date: Nov. 8, 2005Day: 02Operation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 308'Prod Csg: 5-1/2" @ 5920'Csg PBTD: 5837'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 5200',4900'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4763-4774'	4/44			
A3 sds	5094-5108'	4/56			
CP1 sds	5472- 5486'	4/56			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Nov. 7, 2005SITP: SICP: 1524

## Day 2(b):

RU Lone Wolf WLT, crane & lubricator. Run Weatherford 5 1/2" composite flow-through frac plug & 3 1/8" slick perf gun. Set plug @ 5200'. Perf stage #2 (A3 sds) @ 5094-5108' W/ 4 JSPF. All 1 run. RU BJ Services & frac stage #2 W/ 80,231# 20/40 sand in 602 bbls Lightning frac 17 fluid. Perfs broke down @ 3182 psi. Treated @ ave press of 1586 psi W/ ave rate of 24.8 BPM. ISIP-1990 psi. Spotted 210 gals 15% HCL acid in flush to cover stage #3. RU Lone Wolf & run frac plug and 3 1/8" slick perf gun. Set plug @ 4900'. Perf stage #3 (C sds) @ 4763-74' W/ 4 JSPF. All 1 run. SIFN W/ est 1327 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 725Starting oil rec to date: Fluid lost/recovered today: 602Oil lost/recovered today: Ending fluid to be recovered: 1327Cum oil recovered: IFL: FFL: FTP:Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: A3 sands6000 gals of pad4000 gals W/ 1-5 ppg of 20/40 sand8000 gals W/ 5-8 ppg of 20/40 sand2217 gals W/ 8 ppg of 20/40 sandFlush W/ 168 gals of slick waterFlush W/ 210 gals of 15% HCL acidFlush W/ 4704 gals of slick water\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*Max TP: 2143 Max Rate: 25.2 BPM Total fluid pmpd: 602 bblsAvg TP: 1586 Avg Rate: 24.8 BPM Total Prop pmpd: 80,231#ISIP: 1990 5 min: 10 min: FG: .82Completion Supervisor: Gary Dietz

## COSTS

Weatherford BOP	\$140
Betts frac wtr	\$1,200
NPC fuel gas	\$200
BJ Services - A3 sds	\$17,704
Weatherford frac plugs	\$4,800
Lone Wolf WLT-A3/C	\$8,153
NPC supervision	\$150

DAILY COST: \$32,347TOTAL WELL COST: \$317,523



## DAILY COMPLETION REPORT

WELL NAME: Jonah 15-12-9-16Report Date: Nov. 9, 2005Day: 03Operation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8" @ 308'Prod Csg: 5-1/2" @ 5920'Csg PBTD: 5837'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 5200', 4900'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4763-4774'	4/44			
A3 sds	5094-5108'	4/56			
CP1 sds	5472- 5486'	4/56			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Nov. 8, 2005SITP:        SICP: 25

## Day 3(a):

RU BJ Services & frac stage #3 W/ 29,525# 20/40 sand in 350 bbls Lightning frac 17 fluid. Perfs broke down @ 4133 psi. Treated @ ave press of 1861 psi W/ ave rate of 24.7 BPM. ISIP-2080 psi. Spotted 210 gals 15% HCL acid in flush to cover stage #4. Leave pressure on well. Est 1677 BWTR.

See day 3(b)

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1327Starting oil rec to date:                     Fluid lost/recovered today: 350Oil lost/recovered today:                     Ending fluid to be recovered: 1677Cum oil recovered:                     IFL:        FFL:        FTP:       Choke:        Final Fluid Rate:        Final oil cut:       

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: C sands3000 gals of pad2319 gals W/ 1-4 ppg of 20/40 sand4615 gals W/ 4-6.5 ppg of 20/40 sandFlush W/ 67 gals of slick waterFlush W/ 210 gals of 15% HCL acidFlush W/ 4473 gals of slick water\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*Max TP: 2372 Max Rate: 25.2 BPM Total fluid pmpd: 350 bblsAvg TP: 1861 Avg Rate: 24.7 BPM Total Prop pmpd: 29,525#ISIP: 2080 5 min:        10 min:        FG: .87Completion Supervisor: Gary Dietz

## COSTS

Weatherford BOP	\$140
Betts frac wtr	\$540
NPC fuel gas	\$100
BJ Services - C sds	\$10,212
Weatherford service	\$975
NPC supervision	\$100

DAILY COST: \$12,067TOTAL WELL COST: \$329,590

# DAILY COMPLETION REPORT

Page 4 of 5

WELL NAME: Jonah 15-12-9-16 Report Date: Nov. 7, 2005 Day: 03  
 Operation: Completion Rig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 308' Prod Csg: 5-1/2" @ 5920' Csg PBTD: 5837'WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 5200',4900'  
 BP/Sand PBTD: 4720'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4596-5610'	4/56			
C sds	4763-4774'	4/44			
A3 sds	5094-5108'	4/56			
CP1 sds	5472- 5486'	4/56			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Nov. 8, 2005 SITP: \_\_\_\_\_ SICP: 1467

### Day 3(b):

RU Lone Wolf WL & run Weatherford 5 1/2" composite flow-through frac plug & 3 1/8" slick perf gun. Set plug @ 4720'. Perf stage #4 (D1 sds) @ 4596-4610' W/ 4 JSPF. All 1 run. RU BJ Services & frac stage #4 W/ 80,686# 20/40 sand in 590 bbls Lightning frac 17 fluid. Perfs broke down @ 4147 psi on the 7th try. Treated @ ave press of 1924 psi W/ ave rate of 25 BPM. ISIP-2220 psi. Spotted 210 gals 15% HCL acid in flush to cover stage #5. Leave pressure on well. Est 2267 BWTR.

See day 3(c)

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1677 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 590 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 2267 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services  
 Procedure or Equipment detail: D1 sands  
6000 gals of pad  
4000 gals W/ 1-5 ppg of 20/40 sand  
8000 gals W/ 5-8 ppg of 20/40 sand  
2217 gals W/ 8 ppg of 20/40 sand  
Flush W/ 378 gals of slick water  
Flush W/ 210 gals of 15% HCL acid  
Flush W/ 3990 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

Max TP: 2313 Max Rate: 25.3 BPM Total fluid pmpd: 590 bbls  
 Avg TP: 1924 Avg Rate: 25 BPM Total Prop pmpd: 80,886#  
 ISIP: 2220 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .92  
 Completion Supervisor: Gary Dietz

## COSTS

Weatherford frac plug	\$2,400
Betts frac wtr	\$1,200
NPC fuel gas	\$200
BJ Services - D1 sds	\$17,704
Lone Wolf WL - D1	\$4,272
NPC supervision	\$100

DAILY COST: \$25,876  
 TOTAL WELL COST: \$355,466



## DAILY COMPLETION REPORT

WELL NAME: Jonah 15-12-9-16Report Date: Nov. 9, 2005Day: 03Operation: CompletionRig: NC #2

## WELL STATUS

Surf Csg: 8-5/8' @ 308'Prod Csg: 5-1/2" @ 5920'Csg PBDT: 5837'WLTbg: Size: 2 7/8 Wt: 6.5#Grd: J-55 Pkr/EOT @: 2600'BP/Sand PBDT: 5200',4900'BP/Sand PBDT: 4720',4230'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4120-4123'	4/12			
GB6 sds	4129-4135'	4/24			
D1 sds	4596-5610'	4/56			
C sds	4763-4774'	4/44			
A3 sds	5094-5108'	4/56			
CP1 sds	5472- 5486'	4/56			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Nov. 8, 2005SITP:        SICP: 1728

## Day 3(c):

RU Lone Wolf WL & run Weatherford 5 1/2" composite flow-through frac plug & 2-3 1/8" slick perf guns. Set plug @ 4230'. Perf stage #5 (GB6 sds) @ 4120-23' & 4129-35' W/ 4 JSPF. All 1 run. RU BJ Services to frac stage #5. Unable to breakdown perfs. RIH W/ 3 1/8" dumpbailer & spot acid across perfs. RU BJ and and breakdown perfs @ 3890 psi. Frac stage #5 W/ 31,631# 20/40 sand in 341 bbls Lightning frac 17 fluid. Treated @ ave press of 1738 psi W/ ave rate of 24.9 BPM. ISIP-2030 psi. RD BJ & WLT. Begin immediate flowback of fracs on 12/64 choke @ 1 BPM. Zones flowed 3 1/4 hrs & died. Rec 211 BTF (est 9% of combined frac loads of 2468 bbls). MIRU NC #2. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub & 80 jts new 2 7/8 8rd 6.5# J-55 tbg. RU & circ hole clean. SIFN W/ EOT @ 2600'. Est 2397 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2267Starting oil rec to date:       Fluid lost/recovered today: 130Oil lost/recovered today:       Ending fluid to be recovered: 2397Cum oil recovered:       IFL:        FFL:        FTP:        Choke:        Final Fluid Rate:        Final oil cut:       

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: GB6 sands3000 gals of pad2319 gals W/ 1-4 ppg of 20/40 sand4989 gals W/ 4-6.5 ppg of 20/40 sandFlush W/ 4032 gals of slick waterMax TP: 2214 Max Rate: 25.1 BPM Total fluid pmpd: 341 bblsAvg TP: 1738 Avg Rate: 24.9 BPM Total Prop pmpd: 31,631#ISIP: 2030 5 min:        10 min:        FG: .93Completion Supervisor: Gary Dietz

## COSTS

Weatherford frac plug	\$2,400
Betts frac wtr	\$540
NPC fuel gas	\$100
BJ Services- GB6 sds	\$2,495
Lone Wolf WL - GB6	\$4,272
Betts wtr transfer	\$400
NC #2 rig	\$2,318
Weatherford BOP	\$140
Zubiate trucking	\$1,500
NPC trucking	\$300
NDSI wtr & truck	\$400
Unichem chemicals	\$300
NPC supervision	\$100
DAILY COST:	\$15,265
TOTAL WELL COST:	\$370,731

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4025'.
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class G cement.
3. Plug #2 Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4. Plug #3 Pump 42 sx Class G cement down 5-1/2" casing to 359'.

The approximate cost to plug and abandon this well is \$33,025.

## Jonah Federal 15-12-9-16

Spud Date: 10-08-05  
Put on Production: 11-11-05  
GL: 5499' KB: 5511'

Initial Production: BOPD,  
MCFD, BWPD

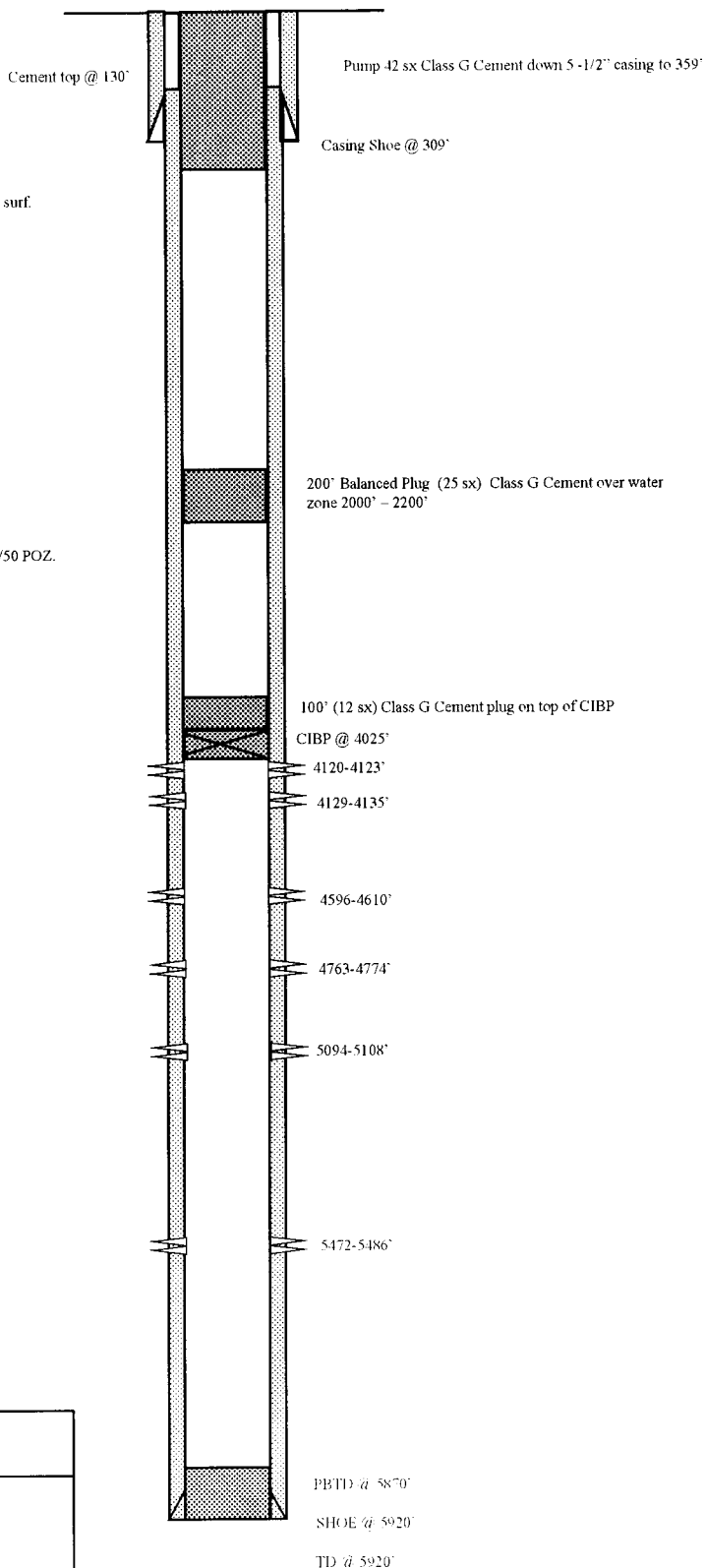
### SURFACE CASING


CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (296.84')  
DEPTH LANDED: 308.69' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6.5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts. (5906.75')  
DEPTH LANDED: 5920' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 130'

### Proposed P & A Wellbore Diagram



<b>NEWFIELD</b> 
<b>Jonah Federal 15-12-9-16</b> 427' FSL & 2355' FFL SW/SE Section 12-T9S-R16E Duchesne Co. Utah API #43-013-32627; Lease #111-35521

**NOTICE OF AGENCY  
ACTION  
CAUSE NO. UIC 331**

BEFORE THE DIVISION OF OIL,  
GAS AND MINING, DEPARTMENT  
OF NATURAL RESOURCES, STATE  
OF UTAH

IN THE MATTER OF THE APPLI-  
CATION OF Newfield Production Com-  
pany FOR ADMINISTRATIVE AP-  
PROVAL OF THE South Wells Draw 13-  
3-9-16, South Wells Draw 11-3-9-16, Jonah  
Federal 15-12-9-16, Jonah Federal 9-14-  
9-16, Jonah Federal 11-14-9-16, Jonah  
Federal 13-14-9-16, Jonah Federal 15-14-  
9-16, Jonah Federal 9-15-9-16, Jonah 5-  
14-9-16, Jonah 7-14-9-16 WELLS LO-  
CATED IN SECTIONS 3, 12, 14, & 15,  
TOWNSHIP 9 South, RANGE 16 East,  
Duchesne COUNTY, UTAH, AS A  
CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL  
PERSONS INTERESTED IN THE  
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the South Wells Draw 13-3-9-16, South Wells Draw 11-3-9-16, Jonah Federal 15-12-9-16, Jonah Federal 9-14-9-16, Jonah Federal 11-14-9-16, Jonah Federal 13-14-9-16, Jonah Federal 15-14-9-16, Jonah Federal 9-15-9-16, Jonah 5-14-9-16, Jonah 7-14-9-16 wells, located in Sections 3, 12, 14, 15, Township 9 South, Range 16 East, Duchesne County, Utah, for conversion to a Class II injection well. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is Gil Hunt, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of May, 2006.

STATE OF UTAH

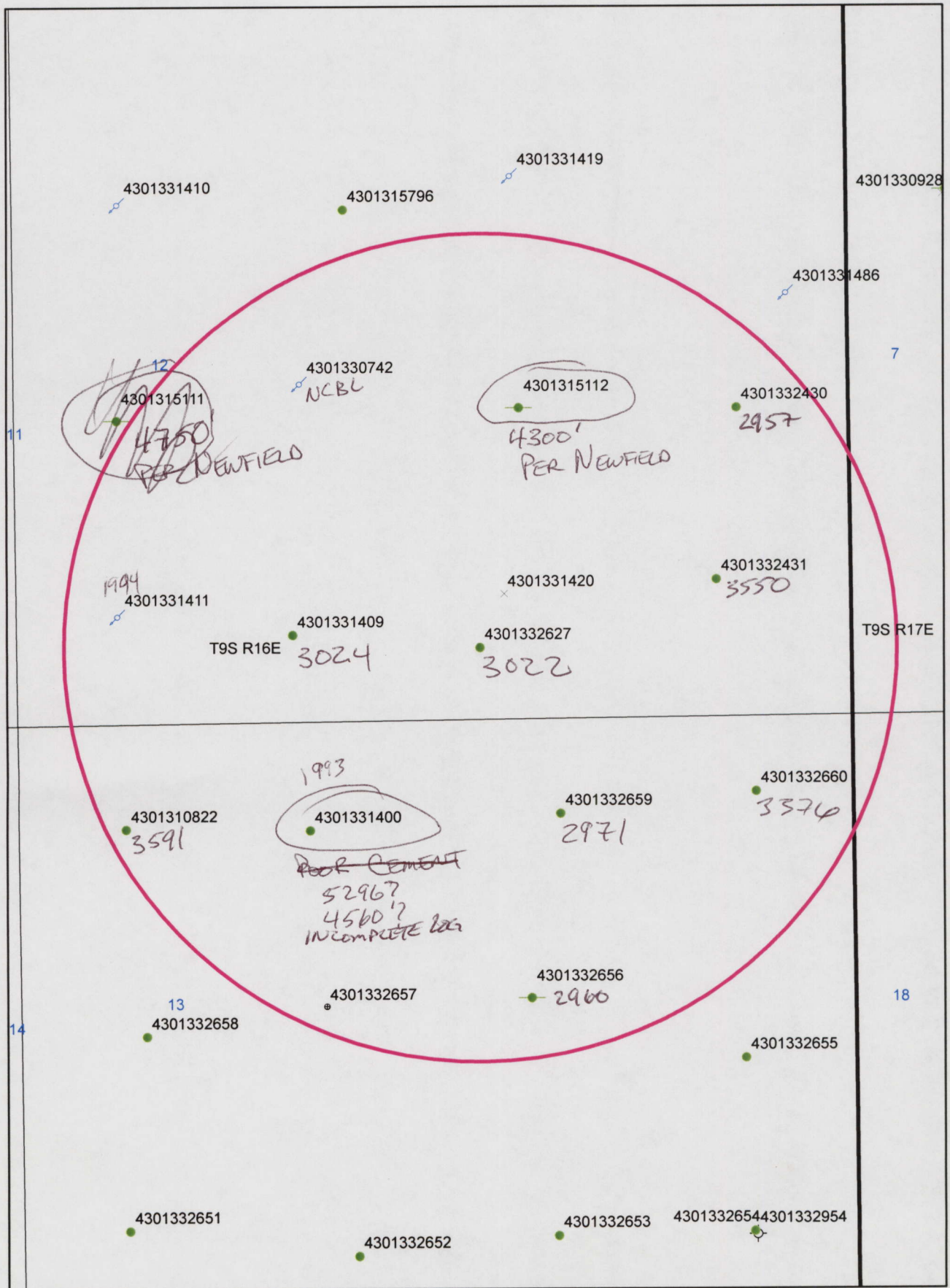
DIVISION OF OIL, GAS & MINING

Gil Hunt

Associate Director

Published in the Uintah Basin Standard  
May 16, 2006.

# Jonah Fed.15-12-9-16 UIC-331.4



**From:** Brad Hill  
**To:** Dworshak, Clinton  
**Date:** 5/8/2007 2:15:48 PM  
**Subject:** Fwd: MITs on two Newfield wells

You can permit the Jonah Federal 15-12-9-16 if you haven't already done so.

>>> Dennis Ingram 5/8/2007 1:45 PM >>>

Jonah Federal 15-12-9-16, original test, pass inspection is in RBDMS (43-013-32627)

BMF #44-1J, tested after complaint of pressure on casing, had rig replace packer, tested ok, inspection is in RBDMS (43-013-31415)

Hard copy of MIT reports will come along in the mail.....



## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

November 14, 2006

Newfield Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Jonah Unit Well; Jonah Federal 15-12-9-16, Section 12,  
Township 9 South, Range 16 East, SLBM, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Newfield Production Company, Myton

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Jonah Federal 15-12-9-16

**Location:** 12/9S/16E      **API:** 43-013-32627

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Jonah Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Jonah Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 297 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5,920 feet. A cement bond log demonstrates adequate bond in this well up to 3,022 feet. A 2 7/8 inch tubing with a packer will be set at 4,085. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 9 producing wells and 2 injection wells in the area of review. All but one of the wells have evidence of adequate casing and cement. The Federal 21-13Y-9-16 well has an incomplete cement bond log and it is not possible to evaluate the cement bond for much of the well bore. Newfield does not feel that they can do an effective cement squeeze on this well without causing damage. Newfield has agreed to place a gauge between the surface casing and the production casing to monitor for pressure increases.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1,000 feet. Injection shall be limited to the interval between 3,888 feet and 5,860 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 15-12-9-16 well is .79 psi/ft. which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,958 psig. The requested maximum pressure is 1,958 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Jonah Fed. 15-12-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Jonah Unit January 13, 1993 . Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date 11/14/2006



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-331

**Operator:** Newfield Production Company  
**Well:** Jonah Federal 15-12-9-16  
**Location:** Section 12, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32627  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on November 14, 2006.
2. Maximum Allowable Injection Pressure: 1,958 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,888' - 5,860')
5. Pressure shall be monitored between the surface casing and the production casing on a regular basis on the Federal 21-13Y-9-16 (43-013-31400). Any observed pressure changes shall be reported to the Division immediately.

Approved by:

Gil Hunt  
Associate Director

5-14-07

Date

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
David Gerbig Newfield Production Company, Denver  
Newfield Production Company, Myton  
Well File





May 21, 2007

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple-Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Injection Conversion/MIT  
Jonah 15-12-9-16  
Sec.12, T9S, R16E  
API #43-013-32627

Mr. Brad Hill:

The subject well was converted from a producing oil well to a water injection well. An MIT was preformed. Please find enclosed the sundry, a copy of the tabular, and chart. If you have any questions, please contact me at 435-646-4848.

Sincerely,

A handwritten signature in cursive script that reads "Callie Ross".

Callie Ross  
Production Clerk

RECEIVED  
MAY 22 2007  
DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-035521

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
JONAH UNIT

8. WELL NAME and NUMBER:

JONAH FEDERAL 15-12-9-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301332627

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 427 FSL 2355 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 12, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  05/01/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 5/1/07. On 5/7/07 Dennis Ingram with the State of Utah (DOGM) was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 5/8/07. On 5/8/07 the casing was pressured up to 1020 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 400 psig during the test. There was a State representative available to witness the test. (Dennis Ingram) API# 43-013-32627

NAME (PLEASE PRINT) Callie Ross

TITLE Production Clerk

SIGNATURE

*Callie Ross*

DATE 05/21/2007

(This space for State use only)

RECEIVED  
MAY 22 2007

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 5/8/07 Time 9:00 am pm

Test Conducted by: Trefley J. Rizzo

Others Present: \_\_\_\_\_

Well: Jonah Fed. 15-12-9-16

Field: MONUMENT BUTTE

Well Location:

SW 15E Sec. 12, T9S, R16E

API No: 43-013-32627

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1020</u>	psig
5	<u>1020</u>	psig
10	<u>1020</u>	psig
15	<u>1020</u>	psig
20	<u>1020</u>	psig
25	<u>1020</u>	psig
30 min	<u>1020</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

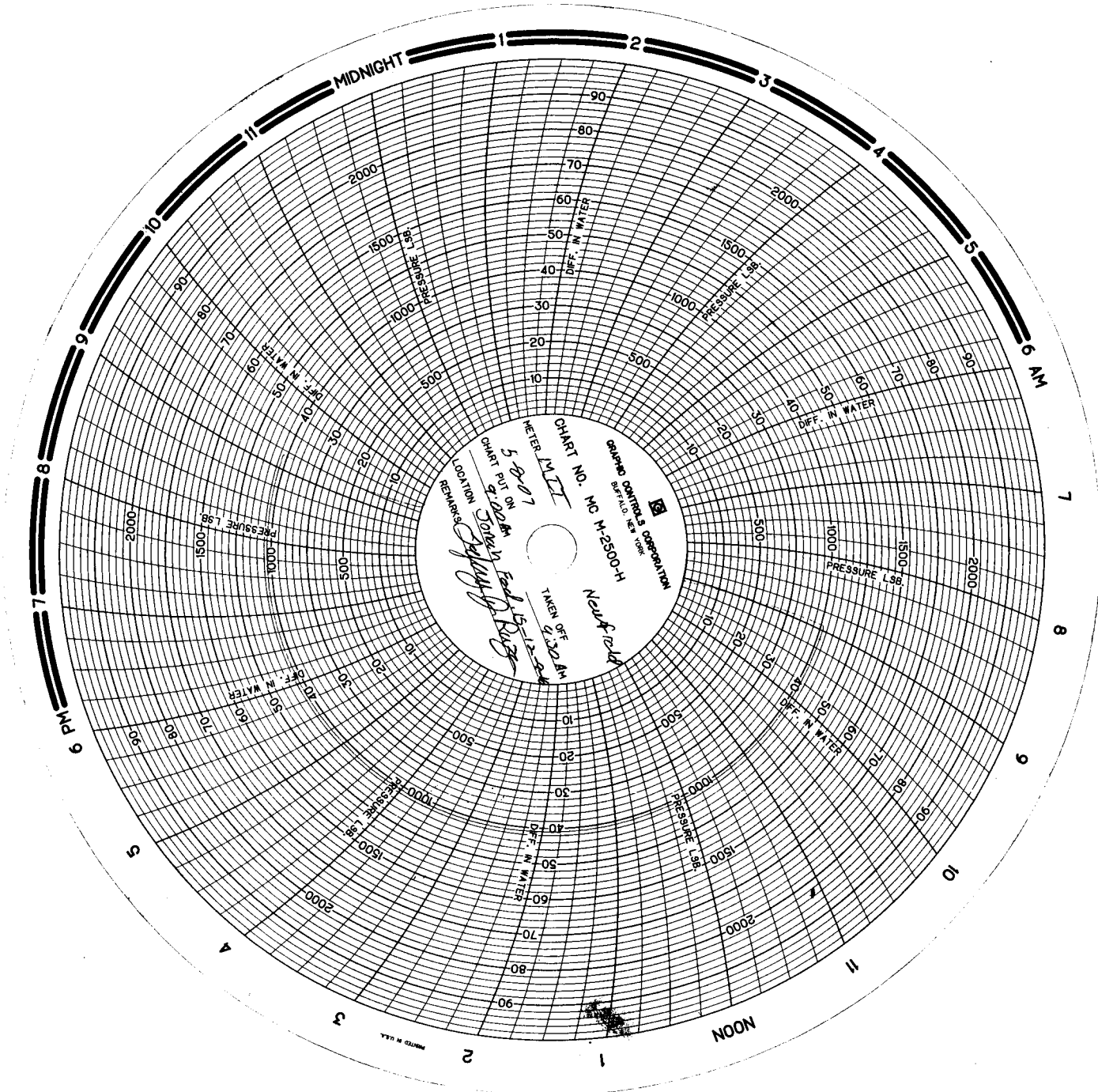
Tubing pressure: 400 psig

Result: Pass Fail

Signature of Witness:

Signature of Person Conducting Test:

[Signature]  
Trefley J. Rizzo



**JONAH 15-12-9-16**  
**3/1/2007 To 7/30/2007**

**4/28/2007 Day: 1****Conversion**

Western #4 on 4/27/2007 - MIRU Western #4. RU HO trk & pump 50 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 50 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 8 BW & pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump (all looks good). Re-flushed rods W/ 30 add'l BW partway out. ND wellhead & release TA @ 5439'. NU BOP. TOH & talley production tbg-- LD BHA. Broke even connections, inspected pins & applied Liquid O-ring to pins. MU & TIH W/ 4 3/4" tooth bit, 5 1/2" casing scraper and tbg to 5540'. TOH W/ 106 jts tbg, broke odd connections, inspected pins and applied Liquid O-ring to pins. RU HO trk & flush tbg W/ 30 BW @ 250°F. SIFN W/ EOT @ 2014'.

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**5/1/2007 Day: 2****Conversion**

Western #4 on 4/30/2007 - Con't TOH W/ tbg f/ 2014'. Breaking odd connections, inspecting pins and applying Liquid O-ring to pins. LD extra tbg and bit & scraper. TIH W/ injection string as follows: new Weatherford 5 1/2" Arrowset 1-X pkr (W/ W.L. re-entry guide & hardened steel slips), new 2 7/8 SN (W/ standing valve in place) and 121 jts 2 7/8 8rd 6.5# J-55 tbg. Apply Liquid O-ring to each pin & re-torque each connection. RU HO trk to tbg. Pressure test tbg to 3000 psi. Held solid for 30 minutes. Retrieve standing valve W/ sandline. ND BOP & land tbg on flange. Mix 15 gals Baker Hughes CRW 132 & 5 gals X-Cide 370 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4044', CE @ 4049' & EOT @ 4053'. Land tbg W/ 16,000# tension. NU wellhead. Pressure test casing & pkr to 1400 psi. Held solid for 30 minutes. Leave pressure on well. RDMOSU. Well ready for MIT.

---

**5/17/2007 Day: 3****Conversion**

Rigless on 5/8/2007 - On 5/7/07 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well (Jonah 15-12-9-15). Permission was given at that time to perform the test 5/8/07. On 5/8/07 the csg was pressured up to 1020 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 400 psig during the test. There was a State representative available to witness the test. (Dennis Ingram) API# 43-013-32627

STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

## INJECTION WELL - PRESSURE TEST

Well Name: <u>Jonah Ford 15-12-9-16</u>	API Number: <u>48-013-32627</u>
Qtr/Qtr: <u>SW/SE</u>	Section: <u>12</u> Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>NEW FIELD PRODUCTION Co</u>	
Lease: State <u>Utah</u> Fee <u>UTU-0355</u>	Federal <u>Indian</u>
Inspector: <u>[Signature]</u>	Date: <u>5/8/07</u>

## Initial Conditions:

Tubing - Rate: N/A Pressure: 400 psi  
 Casing/Tubing Annulus - Pressure: 1020 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1020</u>	<u>400</u>
5	<u>1020</u>	<u>400</u>
10	<u>1020</u>	<u>400</u>
15	<u>1020</u>	<u>400</u>
20	<u>1020</u>	<u>400</u>
25	<u>1020</u>	<u>400</u>
30	<u>1020</u>	<u>400</u>

Results: Pass/Fail

## Conditions After Test:

Tubing Pressure: 400 psiCasing/Tubing Annulus Pressure: 1020 psi
 COMMENTS: Original test after conversion. Record  
test on chart
[Signature]  
 Operator Representative

RECEIVED

MAY 22 2007

DIV. OF OIL, GAS &amp; MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-035521

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
JONAH UNIT

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

8. WELL NAME and NUMBER:  
JONAH FEDERAL 15-12-9-16

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

9. API NUMBER:  
4301332627

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 427 FSL 2355 FEL

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

COUNTY: DUCHESNE

STATE: UT

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 12, T9S, R16E

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will <u>05/30/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 2:00 PM on 5-30-07.

RECEIVED

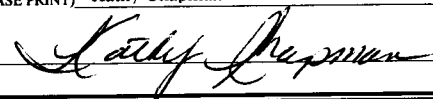
JUN 01 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE



DATE 05/31/2007

(This space for State use only)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-035521
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: JONAH FED 15-12-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013326270000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0427 FSL 2355 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/5/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:
		<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 04/02/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 04/05/2012 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1920 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
April 17, 2012**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 4/10/2012

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 4/5/12 Time 10:20 am pmTest Conducted by: Riley BagleyOthers Present: Lynn MonsonWell: Jonah Federal 15-12-9-16Field: Mammoth Butte

Well Location:

Jonah Federal 15-12-9-16API No: 430-13-31415

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1140</u>	psig
5	<u>1140</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20	<u>1150</u>	psig
25	<u>1150</u>	psig
30 min	<u>1160</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1906 psig

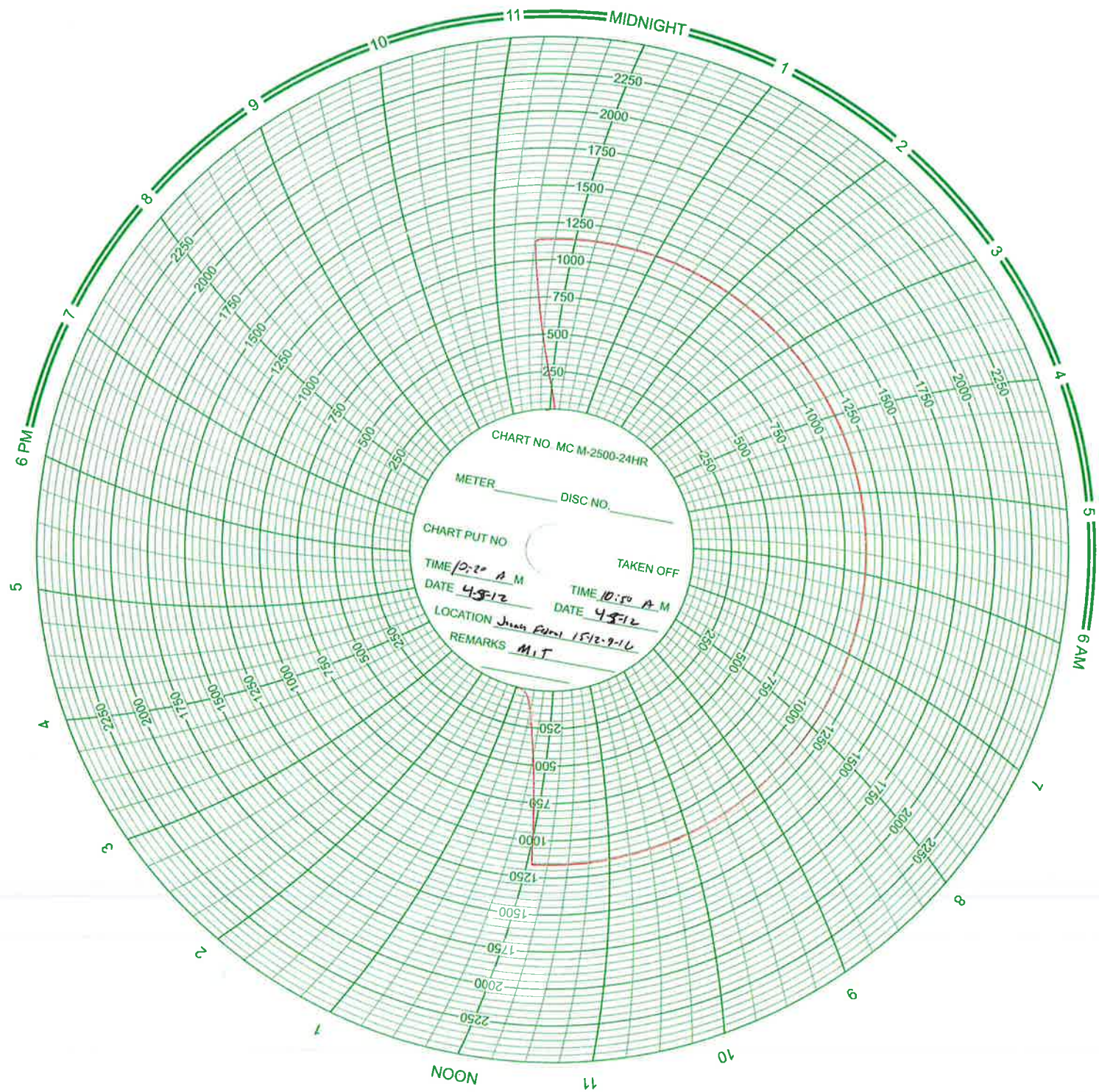
Result:

Pass

Fail

Signature of Witness:

Signature of Person Conducting Test:



# Jonah Federal 15-12-9-16

Spud Date: 10-08-05  
Put on Production: 11-11-05  
GL: 5499' KB: 5511'

Initial Production: BOPD,  
MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (296.34')  
DEPTH LANDED: 308.69' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6.5 bbls cmt to surf.

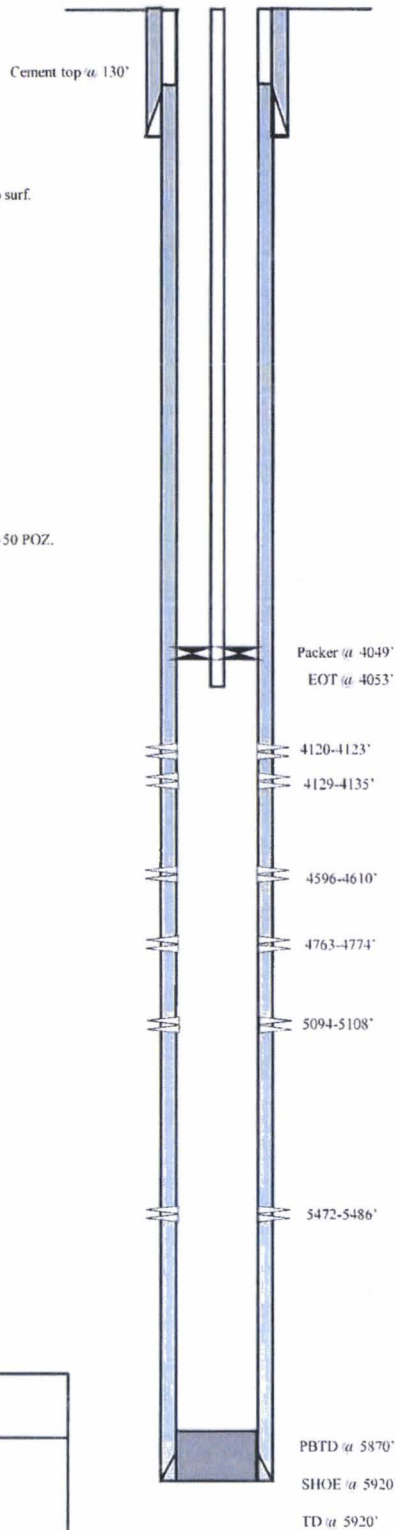
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts (5906.75')  
DEPTH LANDED: 5920' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50-50 POZ.  
CEMENT TOP AT: 130'

## TUBING

SIZE/GRADE/WT.: 2-7/8" J-55 6.5#  
NO. OF JOINTS: 121 jts (4032.45')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4044.45' KB  
TOTAL STRING LENGTH: EOT @ 4053.00' KB

## Injection Wellbore Diagram




## FRAC JOB

11-07-05	5472-5486'	<b>Frac CP1, sands as follows:</b> 59446# 20-40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 1739 psi w/avg rate of 24.9 BPM. ISIP 1970 psi. Calc flush: 5470 gal. Actual flush: 5048 gal.
11-07-05	5094-5108'	<b>Frac A3, sands as follows:</b> 80231# 20-40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 1586 psi w/avg rate of 24.8 BPM. ISIP 1990 psi. Calc flush: 5092 gal. Actual flush: 4704 gal.
11-07-05	4763-4774'	<b>Frac C sands as follows:</b> 29525# 20-40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 1861 psi w/avg rate of 24.7 BPM. ISIP 2080 psi. Calc flush: 4761 gal. Actual flush: 4473 gal.
11-08-05	4596-4610'	<b>Frac D1 sands as follows:</b> 80686# 20-40 sand in 590 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/avg rate of 25 BPM. ISIP 2220 psi. Calc flush: 4594 gal. Actual flush: 3990 gal.
11-08-05	4120-4135'	<b>Frac GB6 sands as follows:</b> 31631# 20-40 sand in 341 bbls Lightning 17 frac fluid. Treated @ avg press of 1738 w/avg rate of 24.9 BPM. ISIP 2030 psi. Calc flush: 4118 gal. Actual flush: 4032 gal.
5-1-07		<b>Well converted to an injection well. MIT completed and submitted.</b>

## PERFORATION RECORD

11-02-05	5472-5486'	4 JSPF	56 holes
11-07-05	5094-5108'	4 JSPF	56 holes
11-07-05	4763-4774'	4 JSPF	44 holes
11-08-05	4596-4610'	4 JSPF	56 holes
11-08-05	4129-4135'	4 JSPF	24 holes
11-08-05	4120-4123'	4 JSPF	12 holes


<b>Jonah Federal 15-12-9-16</b> 427' FSL & 2355' FEL SW SE Section 12-T9S-R16E Duchesne Co. Utah API #43-013-32627; Lease #UTU-35521